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464

<210> 6747  
<211> 475  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6747

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gtgtagtgga aactaggagt gctttttatc tcggtgaatg gggtttgaac cctgtagag 180  
gaaaaaagca ttttattttt tgtatgattc ctaatctttt ctgtattctc tctcacttaa 240  
naaaataatt actcattaat ttcaattaaa taggctgtct cttaatatat caactgtcac 300  
caaatttggc ccataaaaca ttgctagatt ggctatatcc aaactcactc tctttgtgca 360  
tcttcaatac atcggtgaca cacatctaac atatttgta tcaaattact catcacgcat 420  
ctcaatatct catcatcttc cttgtagac aatngacacc agtatttttt aaatt 475

<210> 6748  
<211> 333  
<212> DNA  
<213> Glycine max

<400> 6748

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agacaattgt acatgatctg accgatggga tccttttgaa aatatatgga gtgtgctaga 180  
gagatccgtt ccctatagca tctattattt aaacattctc tccttagctt tcgtgtaact 240  
taggaaggac atcatttggt cttctttctt tctataaaag ccatagataa agttccaaga 300  
actttctect tctctgacat cctccattat cca 333

<210> 6749  
<211> 288  
<212> DNA  
<213> Glycine max

<400> 6749

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cattttcata tgcgtgagca ccagcagcgc ttcgaggcca tcaaaggata gtcattccac 120  
agagagaagc gcgccagct catggaagat gagtatacag atttttacga ggatataact 180  
cgtatacatt ggacgtcact ggttactccc atggctaagt atgaccctga ggtagtcttg 240  
gagtattatg ctaatgcttg gccacagag gagggagtgc gagacatg 288

<210> 6750  
<211> 269  
<212> DNA  
<213> Glycine max

<400> 6750

aagctttaag ttagtgacca aacttccgtg gcttcgtcca agctatctag aaaaaagtgt 60  
attaatagct tctcatcttt agagtgtgcg cccatcttgc gatagtacat cttgagatgg 120  
ttcttgggac aagtcgtacc ttatacttg ttgaagaccg gtactttgaa cttcgggggg 180  
ataacaacat cgggtactaa gcaaagatcc gtcatgtgtg cgaacggata gtaccacat 240  
gcttcacagg ctctcaatct ctctcgag 269

<210> 6751  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6751

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atcaaggaag ctattccttt gtgaagaatc cttctttggc ctatcaattt ttcattgatt 120  
gtggcgctgt tttgttcac tcttcatct tatccatctt ttattgtttt tctgttcttg 180  
tgttctttga aggtcaacaa tgggtgttctt gaatttgcat ccgaaatgat ttgaaccaag 240  
cgttctggct tggattgcat cacatggat cagagcttga atccggagag tagttcgaat 300  
tatatccatc aattaggtgt agtntttagc attttggttn ttcaattttt ccaaaaaata 360  
agaagctaatt ttctgttcga ttcttgtttg ttgtgttta attgtatgat tcttgtatgt 420  
ttntgagtta atcttgcacg tgcttcgat ttctatc 458

<210> 6752  
 <211> 464  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6752

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 gatgtgtaac aaattaagtc catgccgtgc ttttttgttt caaggacaga agaaaaaaaa 180  
 attaagctaa tttattaaag aatatgcaat tagtcataac tcanaagcta atatatcggt 240  
 gaaaagaaaa tataattaaa gttccatatt aattgatata attgaaaata tgtgcacaca 300  
 catatatagc gtgtgtacat gtgtcatgca attntagtag ggggaatcaa ttagtagaag 360  
 attagtcaag tttcctcaac caatcatagg tgaaaactgt acaaaactga aattgattgt 420  
 caagaagtta actgcccctt atattacagg tactaatata tcaa 464

<210> 6753  
 <211> 477  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6753

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 tctcatatgt tgataaaaat gacacatgct agtaaaaaga cccaactatt taaagtaaaa 120  
 aatttctttt aaaatttact ttaggcctcg tttatcattg gaccaaccat gatacatgta 180  
 acattgtctt cacatatggt tgttgatgtc attttctttc atggtgggct aaaatttatg 240  
 catcattagc ttatatgcct attttggtt gtttcacata ttgtcatgga attgttgtat 300  
 cacctcatgt aaacttaaga tatatcatta tgaggatttg acaaacaacc tctaaaataa 360  
 caaagtacat gcttaaagt cttcgtattg atgagataat tatatttgct agtgaataag 420  
 tgggaaatga tatatgaggc tgtgtatgca tagtaagata ccttggtatt tcaataa 477

<210> 6754  
 <211> 362  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6754

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tggtatccgct gcagaagaga gtgtgaggag caaggagacg ttgattagaa agaagaagaa 180  
gaagaagact gctctagaag aagaagaaga agacattgtg tggaactttt cagggttttcc 240  
tcaaaaaaag aaagggttag agccaagttt ttagtagctt tttctttttc tgtgattcta 300  
cattatcaag ggaattagaa agaaagaact tggttaaggt ttctgtgtgg tagagagaag 360  
ag 362

<210> 6755

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6755

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tgtggataaa atgaattttc atttattctt ttttcattta tcataagaaa tgttggagta 120  
tgagggtaag ctgatattga tatcacactt tgacaaaaac tcttaagact ntggatcagg 180  
gtcgtggaaa ccataaaagc caatgagacc ttngtcttaa gccctcaaga gttttgtttt 240  
ttacattttt aatatttttt tgtcaantta aattattaag tgataagatt tgtaagata 300  
tgaattatta tttgtaatca ttttttcatt aataagacta cataatctta agttatgaat 360  
taatgggttaa atcatttatc taaaatttta actttatttc anaatattaa agaaaaatat 420  
ctcatatcta tcttattctt aacctctccc ttatctgaaa aaaatctatt aa 472

<210> 6756

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6756

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cttcagcaca acatcatcac taatgtaact gatgtttgtt ggagcaaaat aggagaaaca 180  
 agaaacacaa aaatcaatct aaacacatga actcgtgaga gagaaagatt ggaggggaaat 240  
 tcttttttatt ctattgtatg tattctgtta cacataatga tatgtctata tatagactaa 300  
 ctcaactaac taaccaccat aattactaac aaactagtaa ctgggtttttg aattatcctt 360  
 aacaccctcc tttgattcan aaacagtga tcaacaacaa gaacattaca acaacattta 420  
 ctgaacaaaa cttcttaatc cttcaaactc tgaact 456

<210> 6759  
 <211> 487  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6759

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 aacaagcaaa tagacaagag catataaatc ttctcacaaa tcacaacaaa ttcagcatta 120  
 gcaagttcac atgtcacaaa ttcaataccc gaattccttg ttcaggctgt tcgcagccac 180  
 ggttgctgcc tttccgccgc cgtatttggc cacaaagtca tccttcacac gctccagaaa 240  
 agccacaggc acctgtctcc caatcgattc atccgcaaca acacaataag ctacaaaaaa 300  
 caagtgtgtg agtcagacat tcatttccaa aaacacagca ccgaacttca gataagccta 360  
 taaacaaata ataacaacac gaatttcatt tcagttcatt ttcaaacaca tcaccgaact 420  
 tcanaatagc ctctaaacag atcagaacaa caggaattc atttcatttt caacacaaca 480  
 ccgaact 487

<210> 6760  
 <211> 468  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6760

agctnggaga ggatgcttca acggaggana agattgatgg ttataaagag agagggggag 60  
 caggaattg aaggaagata aaggagaga agttgaactt tgagttgtgt ctcacaagac 120  
 tctcattcat caaagtttca acaagtgtta cacatgcttc tatttataga ctaggtagct 180

[illegible]

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<223>      unsure at all n locations
<400>      6761
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<223>      unsure at all n locations
<400>      6762
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2896

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 ataaatgttc tgacaaaaat ctaacgacaa taacttttta ctcggaatgtc tgaatgaatc 420  
 ccgtaatata tcgagacact cgtaatctaa aactaaagct ct 462

<210> 6763  
 <211> 375  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6763

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 cgggacacaa tcggacatcc gagtaaaaag gtatagtttt ttgaatttac tgagagcttc 120  
 agttttcaat ttcgagtgtc tcgatatatt acaggactca atcagacatt cgagttaaaa 180  
 gttatggctc gttgaatatg ctacgagctt ctgttttcaa ttgcgagcgt ctagatatac 240  
 taaggcacac aatcgatcat ccgagaaaaa agttaatgtc gtttgaattt gctcagagct 300  
 tcggttctca attttgagcg tctcgatatc ctacgggact caatcggaca tccgagtcaa 360  
 aagttattat gggtt 375

<210> 6764  
 <211> 394  
 <212> DNA  
 <213> Glycine max  
 <400> 6764

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 gcagagcctc cacagaggtc atgttaatat catgccgagt cttcagagct gaggcctgcc 120  
 atttattatg agcacagatg agttcctgac tcagggtggtt tggccagtag accagccttc 180  
 tccttctgga gggggtggga tctccgtaac ccaagagcct gagcaggcaa cagaaaagcc 240  
 agttatagca taggatgagc tcaactcctct ttagccctct ttaattgctg cagatacatc 300  
 tatggctcac gaagaggaat cttcacaata tcccatgccg gagccatacc ctccaaccca 360  
 ttcttcatga tgcaccagct actccagcgc tgga 394

<210> 6765

<211> 394  
 <212> DNA  
 <213> Glycine max

<400> 6765

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 atggcgcccta ctctcacctc ttttcctttg ttttccgctg catctccatg gtggaaaatc 120  
 accattaaag gacaccattg aagctcaaag atccagcctc catagaagcc ccacaagcaa 180  
 gcttccatca agtggtaatc agagcacaag agcttcaagt tgggtgctcct taaacctcca 240  
 ttaattctat gtgctttacc ttctcttcca ttatagtttc ttcattgttc tccatgtatc 300  
 tcttcacatg tcttgtgcta aatgttggtta acatgattat ttagagtttc caccgattaa 360  
 acttgctata aaagctagat ttgatgttca atgg 394

<210> 6766  
 <211> 453  
 <212> DNA  
 <213> Glycine max

<400> 6766

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 taaagacccc aataataatt cctttgttcc agttcggtta ccggttgatc gactcgcaaa 180  
 ttttactgga agtctctagt acataagcct acattttgac cgttgggatc tgctagcaaa 240  
 cattcagaac tcattctgca ctaccctttc cacaggcaac cacacacaag catttttctg 300  
 cacaaagcca aaatcctgct gcacctatct gacagcaaaa ttctgcataa gtgcagattt 360  
 cgaaaatcac acttcccctc atgcgatctt gcccaaatac attcctacaa gtcccaaatac 420  
 atgtatcaat catgtttaac ccaaagtcaa gct 453

<210> 6767  
 <211> 451  
 <212> DNA  
 <213> Glycine max

<400> 6767

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cctttgcgac aacatgggtcc atacatctca ccgacacatg taaagccttg ttgtgtcctc 120  
 tcccccaaac gggaatctct tcttccgaga acgcaataaa attattggtg gttatatgat 180  
 taacgattcc ttcaaaaccc tccactaaga tatcatgggc tacatggggc tcgttgagga 240  
 cctttattaa tagcgcacga tgaggctcag agtttatgag tagttcaagc aatgagatcc 300  
 ttgctggagt ttattcagt tgctcgacta ccttaaactc gcttttttgg atgaggcgaa 360  
 ggaactcatg agcttcttcc aaagccacta tctttccttg gagaccctct ttcttttcag 420  
 tcccttctac taccggagga atcacttctt t 451

<210> 6768  
 <211> 479  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6768

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 atgagattag gtcaggtcag accacgctag gctttatgta aataggccta gattgtttta 120  
 taaaacaaag acctaagctt gacctattat ctattagagg cttttttctt tgtctagcct 180  
 aaccttttta aaagtctagt atgacctatt agcttattta aaagctcatt ttatattctt 240  
 tccaaagtaa aactcacacc acatattagt ttttcagcaa ataagaaact aacaatcaac 300  
 aacatatttg catatttgat ccattgatca cgtctttcaa ttggataaaa ttatctatgc 360  
 atacatgcta tgttcnnttt tagtattttg attcttcac tattaattaa gtttatgtcc 420  
 agatcaaaaa gaagagaaat aaaacaacat ttattccaga aacttaacct gcaataata 479

<210> 6769  
 <211> 459  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6769

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 ttagtagagc tggatgctga tcaaataact aaaataaaca aaaagtttca aaagctggaa 120  
 gatgtatgtc ctgccatgga aaaaaaatta ctaagtgact aaagttcttc taagcagtga 180

aaaggagctc cgtgaaaggc ttgtgggttt tagtttttct gctttccgaa ctagcatgtc 240  
 caatcaagaa gcanatccca natctgggtt ttggtatcct gtnggactag cacagatgga 300  
 acaattgatt gggttagatc angaacattt acgtgaccag ttgaaagtca ttgcaccaga 360  
 agttaagcat gagaaaaggt acttcttaga tttagatctt gtttcttttt ctatgtctac 420  
 tgacaaatat tttcatactt cgttatcaca naaactttt 459

<210> 6770  
 <211> 413  
 <212> DNA  
 <213> Glycine max

<400> 6770

aattgagcta agtctattct tcttggtgat gcaccttact tgggtggatta gcacgccctc 60  
 ttttttatgt gtaagcaagc tgtctattga gcttggtggc ttaatatatg atggactcag 120  
 gcttaaatac cgccgtaatt aataattatt ctttataact ttattaggca tatgtttact 180  
 cataatttac gatcctatct atcttctaata taatacaaca taatgatcag taccctgatt 240  
 tcttgcgatt gatcaatcca cacttcttat cgcattgactg agggttctta tatgcatata 300  
 cactacgagt gactctgtct attctccatc gacgctagat ttcagtagtg caagcctatg 360  
 atggccttta tttcattctt actcttctaa aaatgagaga tgcgtctttg tca 413

<210> 6771  
 <211> 436  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6771

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 ttcattagag ggctttcctt ctgtgtccag catcttggga tgttcccagc ctttgatgac 120  
 agctttccag gttctgctat ctagtgattt gaggaaggcc accattcttg ctttccagta 180  
 ttcattagtg gttccatcaa gaaatgggtg tctgttact ggtcctnctt ctntctncat 240  
 gttcatcaga aattatcttc ctagatctca ctcatgatt tcgagtgcct gctctganta 300  
 ccaatgaaat tcttgatact gggacagatg tcgtaccgga tgtcacgaca tcatgcttca 360  
 gaacatgcag atngtatgtg tccgtatgaa cagatttaaa caagttaata acacaagaga 420

attgttaacc cagttc

436

<210> 6772  
<211> 408  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6772

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cttaaaggct caatgtcagc agataaagac attaaataat gattatgcga attagaaata 120  
gaagaataag acataacaaa atgtaatgga tacaagcaat ttgatgaagt ttgagtaata 180  
agattgtagt aacagtcaac gaggttgata ggggggtttat cgattcaaatt ggagcgacgt 240  
ggagggacaa gttgaggtag ggctctatct aaggggtgggt aagaaaatga atcagaatta 300  
ggatgaggca aagtgtcatt nttataaatc gaggggtgagg gcgatttgga tgaggatgca 360  
caagtgtgac ttatacgaag gcaaattggg ctcgctatnt atggattc 408

<210> 6773  
<211> 473  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6773

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ataaatgtta atagcataaa aatacatatt taattattta attatatatg tatgtattta 120  
atgtgtttcc aataacgtgt catcataaaa actagggcaa tatttttttt aaaaaaatt 180  
gtattataaa actataaaat gtttgagttg tataaagcat taattttcta ctaatttttc 240  
tcttttttga acccaatttt tttttttgat atttttgtaa aagttaggga gctacatact 300  
nttaattgta tttccttctt aacatggcat tccttcttaa cgtgaattat ctttatataa 360  
atggcttntt tttttcattg actgaaaant ttaaagatcc gagtgcacaa atgacatata 420  
tgatagtaag ttactgagct tttgttaaatt ttatacctga atntcatact taa 473

<210> 6774  
<211> 189



<212> DNA  
<213> Glycine max

<400> 6774

cgcggcagtg cagcgtttaa ttatactcgc cgagcttgat tggtatgtat gacagagtta 60  
agcctatgac agatattaag tccaactcac gcctgatgtg ttcaactcaa ttcaagtttg 120  
ggtcactcat ttctcccct cgtgaatgcc cacactgaca agcttgactc ctttcgcat 180  
ttgatgcat 189

<210> 6775

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6775

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gagatgggcy ccacttccag agatggaaga taagtcacgg tgacgccaca aggaatcaac 120  
cttgataagt cagaatttgg ttcaacagaa accctgagag aagctttctc acgtatttga 180  
aaagaatgtc aaaagtctct ttcattcatt ctgaagaaaa tatatatagt tcaccaaacc 240  
ctaaaaacaa aataaattgg tgcaactaan aaggcatagg tttcagccac aaccaccaat 300  
tttatgtatt taattgcaaa gattaaataa taaaatagag ataaaaatta tggaaaacat 360  
gggccttcaa tcatcatcaa tggcagatat acaaatgacc agtcttcgct ctattgacgt 420  
gt 422

<210> 6776

<211> 426

<212> DNA

<213> Glycine max

<400> 6776

agcttggtgca aatcaagtca ctcccgcat tttatcttag catgcattgt atgttggctc 60  
cgtcctttgt cacgggaagc cggaaggctc atatcacctt cttaattgta cacatggggc 120  
actgcgcccc caaatgcaca agtaagaaga gataattttc cgggctctcg tgtccgtaaa 180  
atgcattcat atcatgcacc acataagcat ctcttcataa catcataatg gacatattct 240

gcatttgctc gttatcatat tccagcctca cattttgcat gagtcatggc atcatcatgc 300  
 atatgcgttc aacaaacttt gtgatctgca aaattgcata ccatttggtta tcatgtttgc 360  
 tcatecttgc ggtttcctct acaaaaacaaa aacaaaaaag ggggaagcgt gagacttcac 420  
 actaca 426

<210> 6777  
 <211> 336  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6777

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 tgatagtcac cgcttttagga gtgctgtaca ccagcagcgc ttcgaggcca tcaagggatg 120  
 gtcgtttctc cgggagcgac gcgtccagct cagggacgac gagtatactg atttccagga 180  
 ggaaataggg cgccggcggt gggcatcact ggttactccc atggccaagt ttgatccaga 240  
 aatagtactt gagttttatg ccaatgcttg gccaacagag gaaggcgtgc gtgacatgag 300  
 atcctngta aggggtcagt ggatcccggt tgatgc 336

<210> 6778  
 <211> 457  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6778

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 ggatgccccca cattatttcc atgacacaaa tgcaaaaaaag atgatttga aactttatgc 120  
 aaaactggtc atgcatgcgc ctatgcagac gctcaagtgt caaattttta tggtcagggtg 180  
 atgctagggt tcaggattca tttcctctat tttaaataca ccaatgttt ccaaatatg 240  
 ttcttttatc aatttgtgca ttcctccaag tccatttcgg gcgtccgggg aaattttcac 300  
 agcattcacc cttcagggtg agacacgttt tttcttcaa aatctgttat gatcaatgaa 360  
 tttnttttca aagaaaagggt ggaaatcatc tcttttcaa agcatgtcng gtttttagcta 420  
 gacaacttat tntctctttt tccaccttta tccttac 457

<210> 6779  
 <211> 489  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6779

ntatcaaagt gatgttaaaa gtgctnttct aaatggctta attcaagaag atgtatatgt 60  
 agaataaccc ccaggttttg aaaactcaga caagcctaatt catgtttata aattgaaaaa 120  
 ggctctatat ggattgaaac atgccccaaag ggcttggtat gagcgtctga gtaagttttt 180  
 gttagataaa aacttttcta gaggtaaagt ggataccact ctttttataa agagaaaatt 240  
 aaatgatatt ctactagttc aaatatatgt tgatgatatt atttttggat ccactaatga 300  
 ttcactatgc aaggaattct ctcatgacat gcaaagtgag tttgaaatgt ctatgatggg 360  
 agaactcaac ttctttcttg gattacaaat aaagcanacc aaagaaggaa tctttgtcaa 420  
 tcaatcgaaa tactggaang gaataattca aagatttga atgcaaagt ctaagcacat 480  
 ggctacacn 489

<210> 6780  
 <211> 358  
 <212> DNA  
 <213> Glycine max

<400> 6780

agcttcaagt tgcttgcata gcaactagtt atattcctac aaagcgtcct gtgatgaaag 60  
 atccaatagg cttcttttgg atgggatgtg tgctctatca cgcaagattg catggtcact 120  
 agcagccgga ttctcaatta atcccatggc ttcttcaggg gtcttaaatt ctatttcttt 180  
 ccctgcagaa gcatctaata gctgcttggc ttgaggccgt aaccctgaa tgaaaatact 240  
 gagtcggata ggttctgaga atccatgagt aggcgtgttt cttagtaacc cacgaaatct 300  
 ttccaacacc ctactcaag gactcgtctg gaaattgatg aaaggatgag atgacagc 358

<210> 6781  
 <211> 364  
 <212> DNA  
 <213> Glycine max

<400> 6781

tcctagacat aagaatgcmc atcacgtaac aactttcttct gatgatgcc aataaggcca 60  
tgagggataa tctcagctac cttgaagtta gcagatggct aagtaaactc tctgtttagg 120  
tggttagcaaa gctcatatgt gcatcattta ggactttact ggcatagtaa atagagcgaa 180  
gcatcttata cgcctctgtc ctagcactgc accaacaacg tagtcactag caccacacat 240  
catttcagac tctaggctgc aatttggggc cacaatcact ggagctgaca ccagcctccc 300  
tttcatgggtg tgaaatgcta gcatacattc ttcacgcac ttatacacag catctttgtt 360  
cgat 364

<210> 6782  
<211> 468  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6782

agctnnttga aaagactcat cccttcaaac cattttgaaa aggaacaaaag ggcttatata 60  
tatgtgtgtc taacttcgaa aagaaagaga gagatattct aagagaaatt aattgccaaa 120  
tgctctctca acaactcttg ggaaaacact tgcaaattcta ttgagaattc atccaagaac 180  
ttcaaattgt attatcatct ctaaaagaga gaaattcctt taggaacttc aatttgtatc 240  
gtccactcta aaggagagaa atctttctgt tcatctcaga aagtcatttg tagtcaagag 300  
actggttgctc tcttggattg tgagaattgt aatcaagaga cgggttggtat cttggagaat 360  
ctttgaacac aagggtgagg gatcccaagg tatgttcaaa gtctgtaaag gatttacaga 420  
gatagtagaa aatctcaagt aggttgcttg agaactggac gtagacat 468

<210> 6783  
<211> 419  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6783

tctcccaaaa aatgggtgtcgc tcagcaaatg ggaggatatt cactagaact cttgttcttc 60  
cctaccaaga agctntggaa gcaatctttt attgttgctt ccctcatcat tctgtcaag 120  
ccttcaaaa ccaagtcaaa caatagaggg gccaaaggat ccccttngtc tcaaattctt 180

tgaggcttaa attcagaggt tgagcttcca ttcactagaa tagatataga ggctgatgtg 240  
 aggcacccct taatccatcc aatccatctg tcatggaacc tcattcttct catcatatga 300  
 naaaggaatt gccaagacac taaatcatag gctntttcga aatccacttt aaacaccatg 360  
 caggacctca tagacctcct angcctctca agtacctcat tagcaaccan aacaccatg 419

<210> 6784  
 <211> 449  
 <212> DNA  
 <213> Glycine max

<400> 6784

cagcataact gtagtgaatt ttatgtcgta tggaaccaag tggtgggcgg cggcaaaaaa 60  
 gaataacctg aatttcactg tggatcatcac tttgaaggat tatgttgata acagcattaa 120  
 aagagacatc atatattgct ttcactacat catcaggggc attctgtata aagcaacaac 180  
 atactgagat gagaaaacca taaagataaa aaaatgtgct cagaggtcaa agatgacatg 240  
 tttccaagta taattgcctt caataacatt gttaccaaatt ctaatgatcc agctacaaaa 300  
 ccatcagcct gctcttgggg ctataagaac atctacagaa gtgtataagc aacaaaatta 360  
 ttctaaaata actaaccaga cactgtaata actcgaataa gtcatacttt attcaaaaatt 420  
 gttccaatat atggcaaaat tctagaaac 449

<210> 6785  
 <211> 294  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6785

ggtacgaatg taagagacat cttctacgac cttggtgatc cttgactcta tctcattgaa 60  
 tcgcatgtcc actcgtaact ccaaagtatc aaacctttca ccaacaaagg tttgaagacc 120  
 atcgaacctg tccaaaatct tttgaagaag agaggaatct tctccaccat gtaaagtgtcc 180  
 ttcttcatca atgggatgag cacccttttt caccgaagag ccatcatgct ctttacngta 240  
 accaaacgat gcaatcacat cagcgcctat tagaaagatc tcttgatgga acat 294

<210> 6786

<211> 326  
 <212> DNA  
 <213> Glycine max

<400> 6786

actcagctga cacctgtgca gtgagcctgc atgtggaccc tcaccttttg tttatgtagg 60  
 tcacgaacga ttggacatca atccctttga atgtaatcat acatgacgtc acctattgac 120  
 attagtctgc tatcttgatg aaaacaatgt cgtgttgaga accgacattg ctagattgct 180  
 aagctaccaa tctaccatct cctattagct catgaatgga ttgacctata agaaccaata 240  
 tcttgatctc ttccggttaca gaagagctag ctgaaggccg agacacgatt gccgttgat 300  
 aggagacttc accattgtga atatat 326

<210> 6787  
 <211> 464  
 <212> DNA  
 <213> Glycine max

<400> 6787

agtcacctgc tgcattgcaag ctaatacact tgacagtagt cctaagacaa ctcttttgag 60  
 cttattgtat gcacctcaga atgcatgcac acatctactt ttcaaagatg tttaaactat 120  
 aagagtctat atgcaatgct gatcatgcct caaattatgc catccttaca acatgcattg 180  
 ctaatggttt ggcataacta agactaagga tgtatactct acacatgtct caactctcaa 240  
 gttgtcgcac cattaaattc tatcaacatt aatcttctaa tgagcccttt atgtgcgtgg 300  
 ctacacattg aagaagcgat gacgccaatt gcagtcttac aatgaacca ctttgtatgt 360  
 ggatgcataa ggaagacaag atgttagaca ctgcaccatt ctaatgttgc taactcaaag 420  
 ttccagaaga accaactatg tttgtcactg catatcgaac acat 464

<210> 6788  
 <211> 187  
 <212> DNA  
 <213> Glycine max

<400> 6788

acaaaccatc attgttctcc attgaaaacc cacactgaga ggaacccttc aaccaaagcg 60  
 gaatcttcca acttggctgg cggtttcggt agagaaggaa aacactaatc tgacctttcg 120

ttatcttcga gaggtctctg tggaatcgaa gagcaaggac aagaaggaat cttcaagtga 180  
cacgacg 187

<210> 6789  
<211> 454  
<212> DNA  
<213> Glycine max

<400> 6789

agcttcatgc tgaagtatgt atgacaaaac tttattactg ttattcaaca catacaagtg 60  
agcttgtaac aaatcttcta cacttggagt gataacatgc agtccttttg aacccttacc 120  
gccactctg tcgtcatggc gagactcagg aaggccaata ggtttagcct tttcaatgta 180  
ctctgaataa aattcaatgg cttcttctgc aatgtacctt tcaacaatag atgcttccag 240  
acgatgtaga ttcttggat acccttttaa gatcttcatg tattgctcaa ccaggtagat 300  
ctaacgcaaa taaataggac cacaacattt aatttctctg acctgatgaa caattaagtg 360  
aatcatgggtg tcaaagaaag taggaggaaa atacatctcc agttgacaca gtataattgt 420  
ggcctcattt tccaggccat caaacttgac agga 454

<210> 6790  
<211> 469  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6790

tgaagaggat gctntaatgg aggataagaa agagagaatg ggtgatcacg aaattgaagg 60  
aataaaagag ggagagaagt ggaactttga agtgtatctc ataagactnt cattcatcaa 120  
aggtacaaca agtggttacac atgcttctat ttatagacta ttagcttcc ttgagaagct 180  
ttcttaagaa aacttccttg agaagcttct ttgagaaaac ttccttgaga agctagagct 240  
tagctacaca caccctcta ataactatgc tcacctcctt gagaagcttc cttgaaaaga 300  
ttcctaaaga agctagagct tagctacaca cacctctcta atatctaagc ttaccttctt 360  
gagatgagaa gctagaactt agctacacgc ncnctataat agctaagctc accccatgac 420  
aaaatacatg aaaatacaaa naagtcctt actacaaaga cgtactcaa 469

<210> 6791  
 <211> 445  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6791

agcttcatgt cttcattcat tgtcgntggt ttttatcttt tataaggaca tggttgtaga 60  
 gaccacatt gttgttggtg gacttattta tccatcttgg tgtgggagta gagaccaca 120  
 ttgttcttgt ctacactcaa ctgcaccac aggggttgtg gctagtcttt ggacttattt 180  
 taatgatgcc ataaatatat cactgccaac tgggtttaat tctattaaaa gcaccttagg 240  
 ttgtatacac atatgcacct atcaacccta gccaacccag gttaatcata aaatgtatgt 300  
 tagagtgtga ggattctcta tgctatagta cctttgatag atcaatgtag tataagcacc 360  
 tttctcacat gaatggatgc gtagtatatg cattctaata accacaatga agatgatttg 420  
 tgggtatgat attctagcaa agaca 445

<210> 6792  
 <211> 435  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6792

tataacanaa tntaatccnc ataacacana tgggtcttata tatttctaaa aatgagaaat 60  
 tgatttccag cagctcataa cctttgtaag gtagaaaata cctttgtgtg ttttttactt 120  
 ttaatattat gcatcatgat gatgaagtcc ctacattata tgcacttatc atatattttt 180  
 tgtatcattc tgattttcaa tcaatttcac tctattagtt ttcttaattc tgggtgttct 240  
 cttgggcaca taaaccagga aaaaaaagc tagtaataag atattgaaat tcanaaacia 300  
 ctacatatgg gtggaagtct gtgaaattca aggacttgca cgccttgta gagtttattt 360  
 cactttgaat anttgnccga gtgggttagtt tgggggttga tcttgggtcca tgtttgtgga 420  
 gtcattattgt ggggc 435

<210> 6793  
 <211> 433  
 <212> DNA  
 <213> Glycine max



<223> unsure at all n locations  
 <400> 6793

cttaagtcac ctgaggcatg caagcnttga gccaaaatcc tgactcacca tatactcttg 60  
 ttccanggtg agaagtgtcaa tccttaccct cggaagcaaa atagaataga agggaaattt 120  
 ccaatcaaag aaaagagaag gaaaatttcc aatgaaagag gaaaaagaaa agaattggaaa 180  
 ttcccaatca aagagtggga gaaggaaaaa agaaaaggaa gacaattccc aaccaaaagaa 240  
 tgggagaaag taaaaaagga aggaagctcc tgggtcaaaga aaccacaaga aatgtgcaga 300  
 gaggtctttg gaccacacga tatctgaaca gtacagaatt gtcactaaat gaacaaaaag 360  
 gaaggaaagg aaaccacgac ctagaatggt cttctccctt taattaccaa ccaaaatccc 420  
 gtgcgctagc gac 433

<210> 6794  
 <211> 381  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6794

tcaaaggtcg agatgttaga caagtggcct cagatatctt attattaggg ggttgaatta 60  
 agatattcca aactacttcc ccaattaaaa atctatttca ctttcttttt aagttataaa 120  
 ttcccttaac aatgaacttc ttaaataatta attcaaataa aaaaattgag tatgaatata 180  
 aagcaataat aaacaaagga gattaacgga agagaaagtg caaactcaga attatacttg 240  
 gtccgccaca cccttgtgcc tacgtncagt cctcagcaac ccgcttgaga gttcactatc 300  
 ttgtagatcc ttttacaagt tctaacacac aaggacaatc ctntctttgt gttagaattc 360  
 cttacaacaa gagaccacag t 381

<210> 6795  
 <211> 363  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6795

gtcacctgag gcatgcaagc tatagactgg acaagatgct cacatttttg ttgtatttta 60

aagcacaatc tcaatacatc gaggaacaat cttttgaata tctgtgaaca atgagagggga 120  
gagacaacac atcactgata cacagtggaa tacgtttcta accaataata agccaaatac 180  
gcatacatc aaccaaatta tattgattac acgaatacat cctttgcaaa tgaatccaca 240  
actatcatat atataaccct cccaaaccaa gaatagaatn gcagctccgc cacatggacg 300  
gctgaaaaag gccaaacttg atcatgaaaa gggctctact gtattagtca tttgagatag 360  
agc 363

<210> 6796  
<211> 357  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6796

tttatttatt tatttatttt gctaactaga ctttctcta taatgagttc ggtctctgaa 60  
atactaataa taatacatc tttaatatc cgtttttttt ttaccactc tcttgtaaaa 120  
agaaaatttg ttcgggcttc attaaatatg agaatctcat tattctatat gtattcgcg 180  
agtcttattt ctaaaatggg ggaattaatt cacataaatn tcaagagagt tggtaacatta 240  
aatgtaacgg agtttggtgt gtgattcggt tcgattttca cataaatagt atttgaatta 300  
aacataaaat aaatatgcga tttaatttga tttgatacgt ttaaatacac actaaat 357

<210> 6797  
<211> 321  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6797

agctntataa gcgcgggtct gggagtagct atgttttgtg gtcgcgatat actaagataa 60  
tggtccgagt acattgtatt tggtagcacc ttgcccttct gattttcagc tggggaattg 120  
gccagtggag gaacgcccct acatttacac agcgagcata atgtacacct ttacggtttt 180  
ataaagctat atagttgggc ctaggcttta gagttcttct cttggttaat gcttggcgta 240  
tcttgatttt aaaaatataa tacaaggagg tttattgata tgttcctacg cctctactca 300  
ttctcatcca tttgcgagtg a 321

<210> 6798  
 <211> 477  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6798

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 catcaaaaaa taccaaggca aattgcctaa ggaatggcct caatacgtca ttcataaagc 120  
 cttgaaaagt tgatggagca ttggtaagac caaaatgcat gaccacaaac tcataatgcc 180  
 ccttatgagt cctaaaggct gttttctcaa tatctgaatc tttcattctg attagggtgat 240  
 atccagcctt cataatcaat ttagtgaaga tagtagctcc accaattnca tccaaaggct 300  
 cctctattat tggaattgga aaattattac gtatggntat cttgtttaaa gctcgataat 360  
 ccacacaaaa tctccagccc ccatctttct ttctgactta gataatangg ctagaataag 420  
 gacttatgct angccttatg acccctaatt ncatcatntc cctaaccatc ctttcat 477

<210> 6799  
 <211> 462  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6799

agctntgcgg atttgggtctt cgccagtgat ttgatcgatg tgggtccgaa aagaggcaaa 60  
 tttgatcatc ctactaggac gactgagaaa actggggcaa atgaagaggg tgagaaagag 120  
 ggagaaacct atgctgtgac tgccattcct atacggccaa gtttcccacc aaccaacaa 180  
 tgtcattact cagccaataa caaacctcct ccttaccac caccagtta tccacaaagg 240  
 ccatccctaa atcaaccaca aagtctgtct accgcacttc caatgacgaa gaccaccttt 300  
 agcacaaacc aaaaaaaaaa aaacaccaac aaaaaggaat ttgcagcaa aaagcctgta 360  
 gggttcacc caaattccgt gtcatatgct aaacttgatc ccatactac ttgataattc 420  
 aatggtagcc ataaccctag ccaagggttca tcaacctcca tt 462

<210> 6800  
 <211> 436  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6800

taatggatga aggggttaatt ggtgtatgtg ttgcctaatac atatattgac agccctaagt 60  
tggtttttcgc ttagtaaaatt aaaatagggg tggattaagt ggttaactgt tagggacgaa 120  
ttctccataa cctangacaa gagagtggct tctgaataag aggaaacaac ccatttttaa 180  
tactattaat tttgtattct agtttgcttg ttctttattt cacaaaacaa acaaccccc 240  
cctaategta ctattaatgc aagtatatta tgaacatttg gttatcattg ctcggtggga 300  
aacgacctan gatcacttcc tagttattgg catttcatgt ttattngatt cgggttnggt 360  
ctcaatcaca tattcaacta tttttgctac ctaaattaac acataaatga acanggcatt 420  
tttctaccta aataac 436

<210> 6801

<211> 465

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6801

agcttgtcca taagctctnt ntcatagtag gatgtaatgt gtattttcct aagggcactc 60  
ttaagatcat tccaatactc aactggagga tcccatgaa tccttcgttc cctaacaagg 120  
gaagtccacc aatagagggc atacccttga aagctaaggg tagccaatgg aacttttctc 180  
tcttcgctaa tatgatagca agaaaagagt tgttcaacct tcatttccca atctaagtag 240  
gcctcaacat tatcttttcc atggaaatat gggaggctaa cgtaaacctc ttgatgcctt 300  
ctatcctttt cttttcttta ggagtgatgt ttagtatgtg aactatggcg ccctctataa 360  
tagttgctaa gttcttcaact taaatcttgc aagagtcatt actactatag gaggcattgt 420  
nttctctttt catttctttc attattnttc ttctttcttc ctctc 465

<210> 6802

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6802

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tacattatct ttaacattgc catgtagctt gcacaagata tatgaatcca ctttagttat	120
tttatagact taaagtttaa tgtctaagct attgaactta attaaccttg ttccattact	180
ttcttctaca atttataaga ataattaaat taagacatgt taaaaacggc attggataat	240
gatgtcttgc aaggggcacc tanactgaga agacaggag ggccaatcac aaaaaataaa	300
cacatccaat annatTTTTG ctgaataata cattcaaca aatataccat tattttttata	360
caaaatatta taattg	376

catacacana cttcatgatg aa

262

<210> 6805  
<211> 425  
<212> DNA  
<213> Glycine max

<400> 6805

agctagcctg tccaatgcag cagtaatgat ggtccgagtt atgttgagga acggctacaa 60  
accagaatg ggtttatgca aagacaacga cgtgataact agcctgatat atgccaaagg 120  
aaatcgaggg aagtatgggt gatgctataa acccactcat gcagatataa agagaagcat 180  
cacgggaagg aagagcgggt gtcaaagctc gcgggtgaga caagaaagtg aaggagagccc 240  
gccctggcac ataagtagaa gctttataag cgcaggctctg ggacacgaag gtcaagtgggt 300  
cgccatatac gaagatgatg ttccgagtag atcggatttg gtacgggtcat gccctcctga 360  
tttctagctg ggaaactggc gagcggagga acgccccggc atttacgcaa cgagcataat 420  
gtaaa 425

<210> 6806  
<211> 463  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6806

taagctcgat gattacatct ccacctttct caagcaaatt cttcttgata tcatcataat 60  
cttcatgatt tacattctcc ccctttatga tgatgacaac cacctgtagg ttaggagcaa 120  
cagcaaagaa aatatctatt tgcataatagt ttactcccc cttgggttta cattgattgc 180  
ttatatgaga caaatgaaga tttcatagtt ttcatatata ataaagttgt ctcataaaac 240  
aatagataac ttcttcttac tagtnaatct tatactcttc tctcccgtt tgtcaacatc 300  
ataaacaat catgaataga gaggagagag atgttaccac ttgttgcaat gtatgagaat 360  
caagtgtac caaaaggcat tataaacaat cattcaatat taatcaagca aaaacacgta 420  
caataacaca tcagtcatac acaatcaa atcaatcaatc atc 463

<210> 6807

<211> 389  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6807  
  
 aaaatcatgg ctaagagaaa aatagtgtag aacgaatcat ttctttccct caagcagaca 60  
 atgttggaca agtggctcta ataacttaag agaggggtgaa ttatgttaaa atttcttggt 120  
 taattgactt ctaaactctcc ttttaaactct atatgttaag actattgaag atgatgataa 180  
 agatgatagt tatatcaaca taatacttca agtgtgcaag ataaataaaa tatgcacgat 240  
 aaagtaatca agatagggaa gagaggaatg caaactcagt ctatccatct tggttcagtc 300  
 acttcctgtg cctacgttca gtcctcaagc aaccacttg agaatttcac taactttgta 360  
 aaaatccttt ntagaacttc tgaacaccg 389

<210> 6808  
 <211> 447  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6808  
  
 ctgatatgga tattagatta aaggtaaaag ctggcacata ttatacattg tgtagggtaa 60  
 tgagtgcaga aagttgtact atgcctaagt gggtagcatt aacaagatgg ccatttggtta 120  
 gcttaacact aatgggacta atttgacgat atgaataaaa atttggttaa gaagaagaaa 180  
 catggtcagt ggctcctgaa tctaagatcc aagaggtaga gttggattta ttcgtaagac 240  
 aaaaccatac ctgttggatc gttattggtg caagacgaaa tagaggcaac ctgtgggtta 300  
 atggacgctg aggttccggc cgacggctgt tgtattaaag ctagaagtgc tatgtactgc 360  
 tctgatgaan aacgaacctg ttcttgtgat tcttggggat agtattgggc atctgtggcc 420  
 ttcccttcag ttgccactac actatta 447

<210> 6809  
 <211> 434  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6809

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agagacaaaa gatctccaaa ttttacaagg aaggcacaaa agtgcaataa agattaatga 120  
ataagacaaa aggagtagat cccaaccccc ctaaaaaaat tgaaatgaat aaaagtacaa 180  
gcaagacact caaggttctt actcaatata acccttaaat actctttgag tctctctgat 240  
cgtttctttc atagccctct tacccatgac cacgttgcaa gccaataaa gcccatgtgg 300  
atcaaggaat gacntaattt tcttttaagt ttagaatatg gaatggaacg cgcacacact 360  
tgtgactatn gaaaaaaaaat. aaaanaataa taataataaa ggagaatcct cgagggtttg 420  
cactttcata tttg 434

<210> 6810  
<211> 472  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6810

cgcttggtggg gcatctatgg aggctggatc ttttaagcttc aatgaggtct tttaatggtg 60  
attttccacc atggagatgc agcgaaagac aaaggagaag aggtgagagg agacgccatc 120  
cactagggaa taagccatgg aagaaggagc ttcaccacca agatgagcct tggataagaa 180  
gcttgagag gatgcttcaa tggaggaaaa gaaagagga gagaaagaga gaggggggag 240  
cacgaaattg aaggaataaa agaggtagag aagtggaaact ttgaagtatg tctcacaaga 300  
ctctcattca tcanagttac aacaagtgtt acacatgcct tctattatag actangtagc 360  
ttccttgaga agctntctta agaaaacttc cttgagaagc ttctttgaga aaaacttctt 420  
gagaagctag agcttagcta cacacacca tctaanaact aagctcacct tc 472

<210> 6811  
<211> 322  
<212> DNA  
<213> Glycine max  
<400> 6811

ctgctgcatg caagcttctt atccaaggct catctaggag gtgaatctcc ttcttccatg 60  
gcttattcct taaaggatgg cgctccttt cacctctatt cctttgtctt ccgtacatc 120



tacctggggg aaaaccacca ttaaaggacc ccattggagc tctaagagcc accctccata 180  
 caagccccac tagcatgttt ccatcacaat gtacacgtct ttagaggggt acacgcccac 240  
 gcctttagag gactacacgc tctctcctta ggaggactac acatcctcac ctttacagga 300  
 ctatacgtga atccttggtt tt 322

<210> 6812  
 <211> 294  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6812

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 ttttcttatt cctataatct atacatcaac atatcagaga tatttttatg tgtaattatc 120  
 tagtggtgct ctgcttccaa attaatgtat ttgataaacc atacggaatg atcatgtcat 180  
 tggccgataa ttagatgctt acgggggtca tcaacaagtc cattgganat aagtatgggc 240  
 ttgcagatgt tggtgacttt gtgagaatga agtgagtttg tgaaactagc taag 294

<210> 6813  
 <211> 354  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6813

agcttagatc aggcattcca gtcaaagctt tgttgtcttt aatatgcatg ggcattncat 60  
 atcaactttt aatcgatcat agatattacg ggcctcaatc ggacatgcga gtcacaactt 120  
 tagcccgcca gaattcaccg gagtcttcca tgttaaatac tgagcgtctc gataggtgac 180  
 ttggcttatt cgaagatccg gaggagaagt tatggtcgtt cgtatttgcg atgggcttta 240  
 atattatcct aagagcttct ccatatatta tgagctctaa tcgggaatcc tagccaaacg 300  
 ttatggctgt tccacattgc gtggtcaggc cattcatact tttcagggcg atga 354

<210> 6814  
 <211> 440  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6814

acttagaaat caagtgatca tgtattccgt atatatatgt tgagaaaacg gatgcacatt 60  
 ctatctatat acagntgttt gctgggttgc tgaatcttga tttcacgtat tgtattgtca 120  
 tcatcaaaaa gggggagatt gtagatgcaa ttggctctga tgttctgatg atgatcatga 180  
 tgatgtgttg caattgatgc aaatgggctt ttcaagaata aaattcaaga caatacttct 240  
 agattacaag tcacaacatc cagatgatca ctagaatatt angaaggga tccataattga 300  
 ataacacagg ttcgccaagt gattaaaata aaagtgtttt tcaaagggtt actctctggg 360  
 atcgattaca naggatgtat cgataccagt ggcaaatacg tttataccac tataaaattg 420  
 gatccaattt aaacctgaat 440

<210> 6815  
 <211> 457  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6815

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 ggccatcaac ttgaaaacct agaggctgat caaaaaacac atcttcttca agaggaccat 120  
 ttagaaaagc agacttgaca tccaattgat gcattggcca ccttctcaaa cttgcaatta 180  
 caactacaag ccttattgta tcaatccttg ctactggagc aaaaatttca ccataatcca 240  
 caccttctct ttgcaagaaa ccctatgcta ctagtcttgc cttgtgcttg accacctctc 300  
 ctttgggatt cttcttctact ttaaagacct atttaactac aatagctctt ttccctttcg 360  
 ggagagtcac aagatcccag gtatggttct tcttaattga gcttaattcc tccttcattg 420  
 cttgaatcca ttgaggttct tgcaatgttt cctctac 457

<210> 6816  
 <211> 466  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6816

ggctctgaag gaagggtccg tcaaaattta tctgatcata attatggaat ctgatgtgtc 60

cacgcaaaat gtaaactaaa ctagtgtaat tagttttggt tgagtaggcg gacatttttg 120  
gataaaaatc gtgttacact tgattggtaa gactaatata aggaggagga taacaaaata 180  
tacttttact aattgaatgt atattttttt cttaacatgg aaaataaata tccaatccct 240  
ttctctcttt gttaagcaag aataaattaa attaaattat agtacatact ttctgttctt 300  
cacgtgtatt ttgaggctga tattgacaac actaggagta ttgaatagtt tgaattcatt 360  
gctgccagta tggatcggca tanagtggaa naggaagaga gnttgttcaa tgcttctcaa 420  
tactttgaca aaggatgaca ggggtcagtc ttcagttcat taaatg 466

<210> 6817  
<211> 468  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6817

agctagcctc anagaggtcc aggaaggatt aagctgccga aggaactagt tccgctcctg 60  
agtatgacag tcaccgcttt aggagcgcta tacaccagca gcgcttcgag gccatcaaag 120  
gatggtcggt tctccgggag cgacgcgtcc agctcagga cgacgagtat acggatttcc 180  
aggaggagat aggtcgccgg cgggtgggcat cactagttac ccccatggcc aagttcgatc 240  
caaaaatagt cctcgaattt atgccaatgc ttggccaaca gaggagggcg tgcgtgacat 300  
gaggtcctgt gtaaggggtc agtggatccc gtttgatgcc gatgctatca gccagctcct 360  
gtgatatccg ttagtgctgg aagagggcca acagtgcgag tatggccaga ggaggaactg 420  
gtctgatggg ttccacgagg aggccatcgg ccagatgcta tgtctacc 466

<210> 6818  
<211> 446  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6818

ngtagaatgg ccagacatga tacatgtcac ggtttgattt ggttcaaggg taaaagggat 60  
gccccacatt atttccatga cacaaatgca aaaatgacga tttggaaact tcatgcaaaa 120  
ctggatcatgc atgcacctat gtggacactc aagtgtcaaa tttttatggt catgtgatgc 180

tagggctcac gattcattcc ctctatTTTA gtcaacccaa tgtttccaaa atatgttctt 240  
 ttatccattt gtgcattcat ccgagtccat tttgggcgtc tggggagaat tcacagcggt 300  
 cacccttcgg gtgtacacac acattTTTTT ttaaaaaacc agctatgatc ggcgaatttc 360  
 ccaaagaaga gttggaagtc atctctTTTc aaaagcatgt cggTTTTTca gctaaataac 420  
 ttatttctct tttctTTTTc ctcttt 446

<210> 6819  
 <211> 370  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6819

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 cctggttcag gcacgactat ctttctgctt ttgttggtt gccttgcata gctcgcatTT 120  
 ttcttttcaa tttgagcctt cacttgetca tgcagcttct tcacatactt agcttttagtc 180  
 tatacgtcct tatgcttaac cataacaatg ttaggcatag gcaacaaatc aagaggagtn 240  
 taaggattac ccccatcac tatctcaaT ggtgaacaat tacttgtgct atggataagc 300  
 cgattataag caaactcaac atgaggcaaa catgcttccc aagatttaag atttttnttc 360  
 aaacaatcct 370

<210> 6820  
 <211> 425  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6820

tgtagccatt agaatagaat gagcatgtga ttgtaagtat tactgaaaat gttagttagc 60  
 ttgtcagatt gattatgaag gaatgcatta actgtatcct ggtgagagtg tgatccttaa 120  
 attttgagag aaacgactat catttagtac tgatttttgc atgaatcttt gaagtatgga 180  
 ctgaatgcat gaaattgagg atgatgaagg ccatgtttga ttgtgatagc cacttagcca 240  
 aaatgttgac catgtgcttg aatgaattat cccttgTacc cagtttgagc tgaatgcatt 300  
 attgattgat tgaaccctga gcctatacag tgttatcttc tactaccttg acttcgggtg 360

taggagagca tcatccacag gaagcatggt tcanagcaca attgtcctaa atttggggag 420  
tatta 425

<210> 6821  
<211> 388  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6821

agcttctaca taaagcttat taanaattgc ttttagaact tatcggtgtg tcaaaactca 60  
taagccatta ttataagctc aaatatatca catgcccgcc aagagcatag tggttggaat 120  
acaaacaatt ttcataatat gctctctcta accactccgt aaacaactta aatgcagatt 180  
acagccaact tctgaagaca caagcgtgga aaatatatta aacagtgcgt gaactataaa 240  
actttgtgac agccaaggac aaatgtacca ctaagaatat cttgcgtaag ctatgcatac 300  
ctcataatac cctaaccagc attacctctg aaatattaac caatgaaagc atcgtgccta 360  
atctataact agaagaaaat gcttatgg 388

<210> 6822  
<211> 314  
<212> DNA  
<213> Glycine max

<400> 6822

tatcagaagg ggaatggtaa aataccacct catgctgata tttataaggt ggcaaagtgt 60  
ttctattgca agatgcaagg acacatgaaa aagaattgcc ccgggttcca aatatggctt 120  
tgcaagaacg gtaaatacat ctcatataata tggttatgaat ctaatatggt tagtggttaat 180  
attaacacct ggtggattga ctctggatct actattcata ttgcaaattc tatacagggt 240  
atgcaaaacc taaggaaacc agtggggaagt gagcaaagcg atttatcaag ctataagcta 300  
tgctcacatg tgga 314

<210> 6823  
<211> 443  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
 <400> 6823

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 tgtttttatg ctatctcttc ctnccaaata cattcttcat tctttctctc tgagaagcct 120  
 ttctttttcc cgcatacact caaatctatc ccaataaaac tacgatcccg aactcgttga 180  
 ccgttgata atcctaaaat atgaacacca ccttcgaaac tcatttacac acatctgcac 240  
 cattggaact tgcaaaataa tgtatgcaga tagataaatg atccttgac aaagacagt 300  
 aaattgaggg cttaatctct tctcctctct aacacttaga aatcctagca gaacaactag 360  
 aggaaaaacg tgagaaatct tagagaacta ctagacacat cgatatcact gctagagtac 420  
 acacgtgagc ccgcatataa gta 443

<210> 6824  
 <211> 388  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6824

tcaacttaac cctttgagtt gattatgtca cacttaataa ttcattgtct ttctccaga 60  
 ttatgtcttt cctccagatt atatgtcatc cccacgaat tcagagtgtg ttctcaagt 120  
 agttataatt attgaattca ataattttgt ctttaaccat aaaaaaaagg gtcaaataga 180  
 ataataataa taataataat aataataata gtagtaatga acaagtcaga ttttgagttt 240  
 ggtacaataa gagcaccttt ctttggtgtt tttcaatnca aaaatcaacc ccagaagatc 300  
 cgccagattc ttgatgaaat ctgtcggatc ttgctgtcca aactgtcaga tttccttggt 360  
 ggcatattgt atccttctcg actatgat 388

<210> 6825  
 <211> 465  
 <212> DNA  
 <213> Glycine max

<400> 6825

agctataacc tcattgtctc tcacagtctt tagtatttgg gatccaatcc aatccttggt 60  
 ttgggactct cagccactta tgatagccgc cgatgatccc attactgctt cccctaagct 120

ctctgtcctt tcttcacgtc gcatcccatg ccttgcgaaac tccttggagt accctcgcgt 180  
 tgtgggtcact gaaaccccggt gtgatgaaag gcgtgatgct tttgtctgat ggcactcctc 240  
 tcatggggta gccaaagtggc cttatggcga ggacgggatt ataattaata caacccttg 300  
 ttcccatcaa gggaacatctt ggacatcctt cgcatagaaga tagaatcctg attcttcctt 360  
 ccttctagcg agggaaaccaa ttaacagatg ctccttcttt gcttgctaag aagtgatccc 420  
 aattcacctc tcgtttctca gtgcatgaac ggtggctttc taatg 465

<210> 6826  
 <211> 464  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6826

ggctaagtcn tatttgatga tgccaaagac tcaagtcaag aatcaagagt cataacagtt 60  
 tcaagaatca aagagtcctt caatcaagaa tcaagattca agtgaagatt caagagaaga 120  
 ctcaagatat gcaagaactt caagaaaagc atcaagataa gtataaaaag attctttcaa 180  
 atgaaaagat tgaatagcat aaacagaagc acaaacaatt ttataactgt ttcacaaagt 240  
 agtaattgat taccatgggc atgtaatcga ttaccaatgt ttttgaatgt tggatttcaa 300  
 atttcaagag tcacaacttg tgataaaaca ttttcatatt tgtgtaatcg attacacaac 360  
 atttgaaatc gattaccagt gtttctaaac attggtattc anatctaaac atgaagagtc 420  
 acatctattg atgtgtaann tgatacacta aatggaaatc aata 464

<210> 6827  
 <211> 459  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6827

agcttgccctg tccaatgcag cagtaatgat ggtccgtggt atggtgggga acgggttacga 60  
 acccagaatg ggtttaggca aagacaacga cggcataact agcctgataa atgccaaagg 120  
 aaatcgtggg aagtatggtt taggctataa acccactcag gcagatataa agagaagcat 180  
 cacgggaagg aagagcgggtg gtcaaagctc gcggttgaga caagaaagtg aagggagccc 240

gccctgccac ataagtagaa gctntataag cgcaggtctg ggagacgaag gtcaagtggg 300  
cgcgatatac gaagatgatg ttccgagtac attggatttg gtacggccat gccctcctga 360  
tttctagctg ggaaattggc gagtggagga acgccccggc atttacgcaa cgagcataat 420  
gtagaccttt acggttttaa aagctctata gttgggcct 459



tgagatcctg ngtaaggggt tagtggatcc cgtttgatgc cgacactatc ggccagctcc 360  
 tgagatatcc gttagtgtg gaagagggcc aggagtgcga gtatggccag aggaggaacc 420  
 ggtctgatgg gttcgatgag gaggccatcg cccagctgct atgtatacc 469

<210> 6830  
 <211> 466  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6830

ntgcacgtat cagtcaagtg tatggaccat atcgtagcca atgtgctcat cgataatggt 60  
 tccagtttaa acgtgatgcc taagagcact ttggagaaat taccattcaa tgcttccac 120  
 ctaaagccga gttcaatggt ggttcgtgcc ttcgacggca cccgccgaga ggtagggga 180  
 gagatcgatc tcccagtaca gataggccct cacacctgtc aagttacctt ccaaataatg 240  
 gatatttaac cccctacat ctgtctgttg ggccgtccgt ggatccactc agtgggagtt 300  
 gttccctcta cactccacca aaagttgaaa ttcgtagtgg aagggcactc ggtcttcgta 360  
 tcaagcgagg aagacatctt ggtgagctgc ccacctcta tgccttatgt ggaggccgca 420  
 gaggagtcac tagaaaccgc tttccagcct ttcgaggtgg taagca 466

<210> 6831  
 <211> 471  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6831

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 aaaatgtttt ctctatagct ttgtaccgag agagagactt ggctggatag gttagtctct 180  
 aatatgactg attcaccttc ttgtatctgt gttctacaca taagataggg atatgggcac 240  
 ataagaggat aagcccagcc cattgcatgt taactgtcat tttcaaata gtgctacaaa 300  
 catgtttggc cctgcttaat tgctatgttg gtgaaaatga tttattttta tgtgtttcag 360  
 tgattatttt gtatacaaaa ttgcaatgat ttgttttaag gcttaatgaa ttggcctcaa 420

caaaaacaaa tgagattaaa aaanaaatga gaattacaaa aaaatctttc t

471

<210> 6832

<211> 486

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6832

tataagaacc aaaatgcctc aatcaattcc aaatatgcat gtgaattatg aagcatcaac 60

aagaatcaag ccaaggctat tgagcaagca atcaatgggg caaaacacac caaatgatta 120

tgatgatgga tggctcaaat tctcaciaag gtaaactcat cactttcaaa ttgagctttc 180

aaaactatca tgacatgtag aggagaatca aggatttcaa gtcacaaaat gtcaagaact 240

tttattttca aaacaattac ccatttcttg aacatatact ataattcana gaaaaacatg 300

caaagtcgta cacgcacaca aaattgaccc aaaatattaa actaaaaatc cgacgaaact 360

aacaacatta acaaaataac acaactaaca aattaacaaa accaacaaaa ctagcaaaaac 420

tgaagaacac tccccccccc cccatactt aaacaacaca ttgtcctcaa tgtagcacaa 480

ataaat 486

<210> 6833

<211> 365

<212> DNA

<213> Glycine max

<400> 6833

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tttgaattc gtattaatta tgtgcccatt tttcttgaaa ttactatct tgtaggggtg 120

ggcatggatt tgattttcat aagtccaatc cagatccatt taaatggatt ggatttttaa 180

tccagatcca tattttgtaa aaaaaacaat ttggattggt ttgatccatc ttaaattccag 240

ttttaaatac aaaaaccatt tttgcttgaa cttaatcgag gcaatttttg gccgatgtcg 300

ggcgctgtac tttttggtcg acattggtca gagctatttt cagctgacat cagttaagat 360

gacta 365

<210> 6834

<211> 434

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6834  
  
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 accttcattt caacctctat tctttctctt actactaagg tggaaaatag acttgtgtta 120  
 atataaggcg tgtcatttcg attattttaag ttgtgattga aatgataaat aattaaatac 180  
 attttatttc atctcacttt attatctaaa aatatacttt tgttttggtt tcaattacgg 240  
 aattctaata tatattattt ttattttttc ccgctataat tttattattt tgatttcaat 300  
 tctcttacac atttaccggc atgttcattc aagtagagtt agtctcatat cccttaaata 360  
 atgtctcata ttgatccgt aagacatctt gaatgaaaat nttttaagca actcatgtta 420  
 aatttcttaa acac 434

<210> 6835  
 <211> 455  
 <212> DNA  
 <213> Glycine max  
  
 <400> 6835  
  
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 ttcactcaag ctcaagtgat taggctcatt ccattataaa caactaacac aagtcctaac 120  
 ctttgcatth catctcatat catacagaaa taaaaacaca aaatgaatcc gaaggacttt 180  
 ctaggcttgt aatgagggtta ggctgccaac aaatcatggt tgttctagga ttcaaaagct 240  
 taggttctag gagagcatcc atccatagat aaaactttac tttttcattc attcctaccc 300  
 caatacttgc tatttttttag gcacttagct tacattgatt tgatttgcag cacacacact 360  
 tttatacatt gttatttata cttacagtct tttttaacat atatataaaa atagtatgtg 420  
 tatatacaag aatggtgagt ggatgctatg tactt 455

<210> 6836  
 <211> 362  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6836

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aactttggtc ttatcttact gaattgnggt tctgcttacc cttccactgt gttcgattga 120  
tcacatgatg aagcaatgca ttcaggggtg gatgtggaag ccttccaagc tgccttaaata 180  
agagatatag gtanacagat gncanacaa ntttataact gtttcacaaa gtantaattg 240  
attaccatgg gcatgtcatc gattaccaat gtctttgaat gttggatttc aaatttcaag 300  
agtcacaact cgtgataaaa catcttcata tttgtgtatt tgattacaca acatctgaaa 360  
tc 362

<210> 6837  
<211> 461  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6837

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tctaattccat gtaggatgat ggcttaaata ctaatccatg ttgagcaacc aattcaaact 120  
tcttgtcaaa ttcttctacc tttgtcacat tgaagggaat aacactgctt taaagtaatg 180  
aagaaatttc ttgactagct tcttccctca aattattgaa aatgttgttg atgggtgtatt 240  
gagtgtcac tcttcttacc ttaaaaatat tgtcatgact cccaccact tattgctttg 300  
aatcctttct caccatcttc ctcatcttct ttgggccttg gtcttccctc atctacctta 360  
atcttttcat taatctctct tgcaagggtca agtttaccac attcgcttcc tcacctcatc 420  
actgacagct ttgaagctaa aacatccttc tgtattcatg c 461

<210> 6838  
<211> 400  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6838

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ataagcaact aattacactt attacttctc tgctattcgt ctttggcncg gatgttccac 120  
ctagggaataaaa aaaattatct tctcttgata aagacaagca aaacttttct tcttagagac 180

aatatatcag ttacagaaaa tgtcataaaa aacatacaag acattggtaa tcggcacata 240  
 taaggaattc ttgaattttt ttctcacaat ataatcaatg tcattggtaa ataaggacta 300  
 aggacttaac tgtccaacat attaaacaaa tcaatgttga tgcataaatc attgatctaa 360  
 agaatcagga acaaaaaact aagtgtgaagc aatcaacata 400

<210> 6839  
 <211> 409  
 <212> DNA  
 <213> Glycine max

<400> 6839

gtcacctgct gcatgcaagc ttgaagtttg atgttggaga taaatattat attctatttc 60  
 ctctcccttt gatgttgctt ggctagccat ggagaggtaa ccatttcttc ttctctcttc 120  
 tgactccatt tttgagtttc acatacagca tccatggaag ctgataaaaa aaacataggt 180  
 ttccgggttta tgatcccat actggttaatt cttacgtgat gcttttgtga tgagattgct 240  
 attgtagtgg aggaagcata tgctcggacc caaagctcat tcctttatcc ttcttcttca 300  
 cagagcgctc ttcgatgatcc catagaagta agggaagttc accctttttc cttgctttat 360  
 gatgagtctg ggctgggtga ctgcaatcat gggttgcggg tgggggatt 409

<210> 6840  
 <211> 400  
 <212> DNA  
 <213> Glycine max

<400> 6840

tgttcatctt gagctagtac gtcgtcatcc taatttgaag ttgttgggtgc aacatatttc 60  
 tttggcctaa taggaactcc aatattgatg cagcttctga tgttatgatt gggttggcca 120  
 caccttcac atgtaaagtc acgcaatact ctctttaccc tatgtccttt gacattgact 180  
 tcatctgcat ctctccttct atttttctta ggccttcttc tctggaactt tatatgtggt 240  
 ggaacacgtt gtgcatactg gtgttgggccc caatattgcg gtccttggac tggctgaata 300  
 aaatgggtgat atgtcttatt ataagcctct atggacagcc agtcatgaca catgtcctca 360  
 ggcttgcttc ctttgtgact taatactgta atgggtatgtc 400

<210> 6841  
 <211> 454  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6841

agcttcaatt cataagttga ttntagctta tggtaaagt gcaattcatt ttacaaagtg 60  
 tttgtgcttg gcttattcat aagttaatct taccatgcat gataattttt ttattggatg 120  
 atagtgtaca aaaatgtttg cgtcggcgta ttctaattaa attctaaaat gaaatgggaa 180  
 atttatggat tgtttctatt gttctgaatg tacagattca gtgccttggg gctattttta 240  
 attgtgagat ggatgatgat ctccatgtac acatcanaga catgcatagt ttaatttatg 300  
 ttcttgttat gggccttcaa ctgtcgaggt attattgtcc atgtgtattg gatgttggtg 360  
 ttagtggtta cttgccatac tggtgacttt caaatgtgtt tctcatgtgg cgagtccttt 420  
 tctcccatgg tgtagtgagg agattcatat ggag 454

<210> 6842  
 <211> 461  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6842

tcagtcatgc taaacttagt ctcaggttta tatactatgt ttttattctt ttatataata 60  
 tactaagaga atctctcaaa aaagaataat aatcagttag tctgagttca gtgacaaaat 120  
 catgaatgca aaattgccct gtcatgatca tgtcatattt agttctttcc aaatttgcta 180  
 atagccatca ttaatcagtt agtaaaactc ttcattccct ttcctttgat agcagctgcc 240  
 actgactcgc cccaactcac canaactgtc ccagagaagg agctgtggtg atgctgccgg 300  
 catatcccca gaaatttcta ctcgaggacg tcgcagtgtt ggcaataacc acaaactggt 360  
 tagccttctc cctcccaaaa acaggggttg gtgggtcatc agtgcaatgg ttagtggtgg 420  
 actatgcaac ggacacatta ttnaatatac tnnatatatt a 461

<210> 6843  
 <211> 463  
 <212> DNA  
 <213> Glycine max

<400> 6843

agcttggaga ggatgcttca atggtggttt agtattagag agagagaaag agagaggggg 60  
gagcacgaaa atgaaggaag aaaagaggaa gaaaagttga actttgaagt ttgtctcaca 120  
agactctcat tcatccaagt tacaacaagt gttacacatg cttctattta tagaataggt 180  
aacttccttg agaagctttc ttgagaaaac ttccttgaga agctagagct tagctacaca 240  
caccctctta ataactaagc tcacctcttg agaagattcc taaagaagct agagcttagt 300  
tacacacacc tctctaatag ctaagctcac ctcttgaga tgagaagcta tagcttggct 360  
gcacaccccc tataataagc taagcccacc ccattccaaa aatacataaa aatacacaaa 420  
aaaagtcgct actacaaaga ctattcaaaa tgccctgaaa tac 463

<210> 6844

<211> 465

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6844

ntataagcac gggctctggga gacgaaggtc aagtggctgc gatatacgaa gatgatgttc 60  
cgagtacatt ggatttggtg cgaccatgcc ctctgattt cgggctggga aattggcgag 120  
tgagggaacg ccccgacatt tacacagcta gcttaatgta aacctttatg gttntaaaag 180  
ctctatagtt gggcctaggc tttagagttt ttcttttggg taaggctttg tgtattttgt 240  
tttttaaatt tataatacaa ggatctttct tcatctgttc ctacgcctct acccattctc 300  
antccattgc atgtttactt ctttatttct gaaacgacaa atccgatgac gagtcccccg 360  
aagggtactaa tacctgggac ccgcctatca acttcgagca agaaacgaat canacggaag 420  
atgaaggga cngatgtg ggacttcccc cagaattaga aagga 465

<210> 6845

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6845

agcttgtgct attgttgcca aaatttaagc tgttttgnga atgccaaagt tgccgattta 60

ggaatttctc cttaggatta attgtgtttt cccaaatgat ttgatccttc ctctgggttac 120  
 taatagggaa aacacacaag gataagtga agaagaggct tcatgagcac cgaaaatccc 180  
 ctgaagacct tccaacccat tgttctaaga gattgcaata gtaaaccocaa aacttttagtt 240  
 ctgtcgattc cctagttcct ttcccctcat aatgggtgga ggatttttct ccaagaattt 300  
 gaattcgtag aatatgattg gtcatggtga cgtttctgtt gtcgtccaag acatcatggg 360  
 taatgtcaac cccactccta attgggtgtg ctactccgag ctgtacaccc tgaaatatac 420  
 taattataaa tgatgttaat cgtattatat gt 452

<210> 6846  
 <211> 466  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6846

tatagcttac ttattatcca caaaaagctt cactccatca ctttccttga ttnttaattc 60  
 ttgtaataat gtgtccaacg agacagcttg gcaagcactc attgtagctg gaacatactt 120  
 agcttcacat gttgataaag ccactatgga ttgcttctta gaactccatg atattgggtgt 180  
 tgcaccatac atgaatatgt aacctatagt actctttctg tcactctctgt ctccctcccca 240  
 atccgcatca gtatatccca ctaattcctc tgagttgttg ttgtctttat ttggaaatag 300  
 aattccagta ttgatgggtcc cttttatgaa ccttagaatc ctcttagcag ttaggagatg 360  
 aggaattctg ggtcttttctg tatatgtact taccagtcca atagcaaatt ccaaatacagg 420  
 tctttgatga cacaagtacc tgagagaacc aacaatatgt ttgaac 466

<210> 6847  
 <211> 413  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6847

tactaagctt ccaaacatcc aagcaaaaca acattcaaac ttcacaagtt atcacagcca 60  
 agcaaaacag ggcaaaggca gaaaactctg caaaacacc aaccaaatca cagtttttct 120  
 cacttaaaga cccagtaac aattccttctg atccaattcg ttaaccgttg gatcaactcc 180



aaaattntac tggaagtcta tagtacataa gcctacattg tgaccgttgg gatctactag 240  
 aaaacatcta gaactcattc tgtactactc tttccacagc ctaccacaca caagcagttt 300  
 tctgcacaaa gccaaaattc tgctgcagcc tatttgacag caaaattctg cataagtgca 360  
 gatttcgaan atcacacttt ctcttattca atcttgccca gatcaattcc tac 413

<210> 6848  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6848

gagtacgaca gtcacgcgtt taggagcgtt gtacaccagc agcgtttcga agccatcaag 60  
 ggatggtcgt ttctccgaga gcgacgcgtc cagctcaggg aggacgagta tactgatttc 120  
 caggaggaaa tagggcgccg gcggtgggca ccaactggta ctcccatggc ccaagttgat 180  
 ccagaaatag tccttgagtt ttacgccaat gcttggccaa cagaggaagg cgtgcgtgac 240  
 atgagatcct gngttagggg tcagtggatc ccgttcgatg ctga 284

<210> 6849  
 <211> 408  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6849

ctgcaataga tgccactnnt actcaatttt taaatgatat gttgacaagg aaacacaagt 60  
 atattcacia ggagaatatt gttatggaag gaaattgcag tgctatgata caaaaagatc 120  
 cttccaccta accataaaga ccctggaagt gtaaccattg cttgttcaat tgggtgaagcc 180  
 acccggggaa aggctttcat tgatttggga gccagtatta acttaatgcc actctccatg 240  
 tgaagaacat tgggagagtt ggagatcatg ccactagaa tgactttaca acttggtgac 300  
 cggctcatta ccagaccata tggagtggat gaagatgtgt tggttcgagt aaaacattnt 360  
 atcttcccag caaactctat ggtaatggat atctatgaag ataattgac 408

<210> 6850  
 <211> 389

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6850  
  
 agcttgagat gaggaagtgt agaaggggtga aacttccttg ctttattcgt tgaccataga 60  
 gtggtacctg gagatatgtc gcgnggtca tgagaccttg gggacgtcag gtggggtgct 120  
 attgccccaa accaagcttg accaatcccg acccaacccg ggcatagtca gtcagtgaga 180  
 acctgtgatg tacctaaaca ggcgagctcc tggcagtaca cagataaaac gaacaaagac 240  
 cacaaagcan ggaggcttgt gtggtggctg gccaaactgtg aactttgatt atatgtgaga 300  
 tatggcctct ggtaatcgat taccaagggg gggtaatcga ttacaaggct taaaaatgaa 360  
 gacaggaggc taagatggtc tctggtaat 389

<210> 6851  
 <211> 476  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6851  
  
 cggccccccg gnatgactgt gactacggac cttgatacta agcttacaga ttatgttgtg 60  
 cgaaggacaa tggtttagaa aagcaaattt ttatgctgtt gatgatagaa agcctagggt 120  
 aatggagaaa ataaggagga gggagaaacc catgtgtgac agtcgttcta catgggcaga 180  
 ttccactag ctcacaatat taatactcag nccaatatca atccttctca ttaccacca 240  
 ccttaccagc caagaacacc caatcatcca caaaagcccg cctaaatcag aacaaaccca 300  
 ccgctgcaca tcaaagcaac acaccttata cgaccaaaca ccaccaagaa ggaatttcta 360  
 gaaaagaaac ttgtagaatt caccctaact ctgggtgtgt atgctaactt actcccatat 420  
 ctactcaata atgcaatggg agccataaat ccagcaaag actccttatc ctcatn 476

<210> 6852  
 <211> 436  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6852

taacattctg gtttgcctgat tgacatgttt ggtaaaaaat cttgcataga gcagaaatat 60  
 caaagacana gtagtacaca tgtttttgta tattggaaaa aaaataaatc tgacattggc 120  
 tacagaaaag acaaagatag aatatataag tgaggggacaa ttctcatccc ctgagaattt 180  
 ttgggggttga gttagtccaa actcacattc tgaaagactg taaaactgaa tttttggcat 240  
 ttatgtacaa ctacaagaga aaagaattaa taaaacacct taaacaatca atgtgagttg 300  
 caggagagatc tgagattcat cttgactgga agaggagact ccgcatngct cttgggtccc 360  
 gcagaggact tgcatactta catgagcttt gcaacctcc cataantcac agagacgtga 420  
 agtcgactaa tatatt 436

<210> 6853  
 <211> 369  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6853

agctnttcaa agaagccacg aggaagcttc ttgatgaagc ctcttantga agcttcttga 60  
 ggaagctaca tgagctgcct cggtaaaaacg cttcccatnc ttagttaaac gttggctctt 120  
 tagggaaatt ggtatccagc ttacaagac acttgtccac gatctgaccg ttgggatctt 180  
 caagaagatg tctggagtgt gtgcgatgtt tctgtgtccg agaccatttc tcaactaagc 240  
 gttttcagcc ttgtctctcg ttagcttag gaaaaacacc atttcttctt ctttcttctt 300  
 tctaagcca tttctaactg cccaagcact ttctccatca cccacagcca ccgtagcca 360  
 ccacaaact 369

<210> 6854  
 <211> 433  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6854

tccatcaagt ggtaatcaga gcacaagagc atcaagtagg tgcttcttaa accttcatta 60  
 attttttgct ttaccttctc ttncattggg ggttcttcat ttttctccat ggatctctc 120  
 acatgtcttg ggctaaatgg ttttaacatg attctttaga ggtttcaccg attaaacttg 180

ctatagaagc tagatttgaa tttctatggg tcaaatttct tgttcttggt cttgaaccat 240  
gaattgtgtt gaagttaagt tcctttgagt tctggcttgc tatttttttg ggctgaaaac 300  
taaatacataa aattcttaca aaatcattaa agtagaagaa aaccttaaaa atctagagtg 360  
acttcgtcac ctattgtagt tttgttatag aagtcatgtc tagtcatgaa acttgtcaca 420  
taagatttct tat 433

<210> 6855  
<211> 251  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6855

agacttgat gcaacattgg agaggttaat gaatcaacga gatgatgcgc tccatgagag 60  
ggtggatcaa atggagaata gagatcataa tgaagaagaa aggacgagaa gagggaatga 120  
tggtgttcct agacaaaacc gaattgatgg tattaaactc aacattcctt catttaaagg 180  
aaagaatgat ccggaggcct acttggagtg ggagatgaan atagagcatg ttttctcatg 240  
caacaactat g 251

<210> 6856  
<211> 442  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6856

tntatataag ctgaaccatt ttatcaataa acacatgttg agttttattc agaanattag 60  
agttttatctc ttttatctta gtgagagcga ttctnctaaa ttcttgagtg attcaagaac 120  
accttggttg tatcaaagga ctttcacaac ctttgtgtgt tgccctcgct ggaaagagtg 180  
attctttcct tcctttcatc atcacccttg ttctttcaaa ccacaatttc agaaaatcca 240  
cctctgcccc gaattatctc gtgggcataa cttccatttt acgcactcaa attaagtgat 300  
tcttgagcct aaatcgaatt tcaaaacgag acctttcacc tcgttctgga atcacctcat 360  
ttggagccct gtagcttcag ttattggcat ttctatattt ctgtccagcc accacttaac 420  
ctaccgttta ccattccatt ca 442

<210> 6857  
 <211> 394  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6857

agcttcttta gaattgctgc cagtaccatt tcctaattctt tcagagaaga tatcagcata 60  
 ttcaactatt catatctatt ntaactttct tttgatgtct tggatgttga agcttccacc 120  
 tatgtccaac aagtctgaag ttacgggatg aatttgtaaa tcatccatca tcacgtaagt 180  
 tttttcacca tatttcttct ttggaaagaa aatgcccctc cacatttgga tagagaattt 240  
 taattgagaa aagtaattta tcagaagaat tgaatttctg tattgggttg atnttttttg 300  
 tgaagaaatt aaaattttgg aattttaaat aactaanaat ctgaaatttc aattttcttc 360  
 taaaatgtga gaaaatgaaa ttctattctt acag 394

<210> 6858  
 <211> 423  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6858

gcaattaaac gaaataattt tacgcacatg tcatattgag tcccgtatat atcgagacgc 60  
 tcgtattgaa aacgggagct cgttgcaatg gcaaccgaaa taacctttta ctcggatgtn 120  
 cgatttgagt ccgtaatata tcgagacgct tcaaattgaa aacagaagcc ttgagaaaat 180  
 tctaacgaga attatttttt actcggatgt ccgatggagt tccgtaacat atcaagacnc 240  
 tcnaaattga aaacggaagc tcatagcaaa ttgaaacgaa agtaactttt aactcggatg 300  
 gtccgattga gtccgtaata tatcgacacg atcgtaattg aaacaaaagc tcgtagcana 360  
 cgcanacgac aataacattt tgactcggat gtccgactgg agtcccgtat atatcgagac 420  
 gct 423

<210> 6859  
 <211> 312  
 <212> DNA  
 <213> Glycine max



gtgctgattt cccgtataaa tcacctcctt tgcagcttca tcaagagata tacagcaacc 360  
agattcatga gctcttccat atatgtaca tctccaacc tac 403

<210> 6862  
<211> 394  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6862

tgaccctggt aganaaatga agataatgag cttactacgc tttagctcta tagcttgagc 60  
tcaacctctg aataanaata aagaaaagac tctagcaaaa ctttaagcatt agagcttaag 120  
ctcgagccta taattaaaag aagaaaaatc acttaccagg ctttaactcga ggctcaaaga 180  
anaattaaga aaataggctt aagattgacc cttgaagaaa aatgaagaan agactccgac 240  
aaaacctaag ctttgagat taaactcgac cacacaagaa tgaagaanat gaacttaca 300  
ggcttaagct ttacaactta agcttgaact tgaaagaaac atgaagaaca gactntaaca 360  
aggcttaagc tctatagcct aaagttgatc cttg 394

<210> 6863  
<211> 403  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6863

agctttatat aagctgaacc atnttatcaa tatagacaag ttgagtttta ttcagaaaat 60  
tagagtttat ctcttttata ttagtgagag tgattctcgt aagttcttga gtaattcaag 120  
aacaccctgg ctgtatcaaa ggactttcac aacctttgtg tgttgcctc gccggaaaga 180  
gtgatttttt ctttcctttc atcttcaacc ttgttcttta aaaccacaat tccagaaatc 240  
cacttctgcc cagaattatc ttgatgagga catgttcaag agcaagggca aggatccact 300  
tgaaggactt ggaggaccta tgacaagggc tagagcaagg aaagccaagg aagctcttca 360  
acaagtgttg tccatactat ttgaatacat gccacgttt caa 403

<210> 6864  
<211> 314

<212> DNA  
<213> Glycine max

<400> 6864

tatcgagcgt ttcgatatat tacatgactg tatcagacat ccgagttaaa cgctgctgtc 60  
gtttgaattt gcttagagct ctggtattcc atttcgagcg cctcgttata ttacgggact 120  
caatcagaca ctcgagtaaa aagctactgc cgcttgaatt tgctcagagc tttcataata 180  
aatttcgagt gtctccatat attacgcgac tcagtcagac aaccgagtaa aaagttatgg 240  
tcgtttgaat ttgctcaaag cttccgcatt caatctcgag cgctccaca tattacggga 300  
ctcaatcaca catc 314

<210> 6865  
<211> 328  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6865

ggggggggttg aattaaagat attccaaact tttctcctaa taaaaatcta tcttactttt 60  
acttaagtat gaatcccttt atgacagtct tcttanatat taattcaaat gaagcaactt 120  
gaatatgaat ataaagcaat aataaataaa ggagattaag ggaagagaaa atgcaaactt 180  
cagtttatac tggttcggcc acacccttgt gcttacgtcc agtccccaag caaccgctt 240  
gagagttcca ctaacttgta aatttctttt acaagttcta aacacacaag gacaaccctt 300  
cctttgtgtt tagagattct ttacaaca 328

<210> 6866  
<211> 263  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6866

caatttaatt tttcttacca gatgaacaat taagtgaacc atgatgtgaa taaatgaacg 60  
aagaaaatac atctctaact gacacaagat aatagcagcc ttccatcata tgagttgtct 120  
ncacgtgtca tcggactcga ttgtctttgg atgacaaggt gagactaaag tagtctcggt 180  
tgatagacat tgagtcttcg acgaaaagaa cagatgacca tatttgtctc tgcgtgtcat 240



263

tgaagaacta	caaagttcac	ttgaagcaca	tgagcaaaga	ttaagagaaa	ggaatcctga	60
gaagcacaat	gatcaagcct	tacaagccca	aacaagcaga	aaatttgaca	agcaaggaga	120
caaatccaaa	aataaaaaag	gaaagtggca	tgatgagaag	tggagaaaaga	ctgaagattc	180
aaaatgtggg	gattctggat	catcttcaca	gaaagctgtg	tcaaatccaa	gaagccaatt	240
ctcacggaaa	aagaaatggg	tcgacaagaa	gaaggtgcag	tgttacaact	gcaggaactt	300
tggccattnt	gcagctgatt	gtagattcag	tagaggattt	caagtgaaag	gtgaagaagc	360
aaggttggca	caagaggaga	atctagaaga	tgatcattat	ctgctgatgg	ttaccaccaa	420
aaatgatctt	cagtgtgcta	acttctggta	cct			453

<210> 6869  
 <211> 328  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6869

agctntaacc tcacgtccc tcacagtctt tagtattggg agccaatcca atccttgtgt 60  
 tcggactctc agccacttat gatagctgct gatgatacta ttactgcttc ccctaagctc 120  
 tntgtccttt cttcacgccg catcccatgc cttgcgaact ccttggagta ccctcgcgtt 180  
 gtggtcacta aaaccccggt cgatgaaagg cgtgatgctt tcgtctaata gcgctcctct 240  
 catggnntag ccaagctggt gcacaacaaa caattcttgc gccgctcttt tcacatcccc 300  
 ggtcgaacgt gtcatacatg gccaaaat 328

<210> 6870  
 <211> 388  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6870

agcaacacan aatctaggta tccaaaaccc ttatattaat ggatnntcaa tggttgagaa 60  
 agtgaaattg agaaatggga taaatttgag caaactctca cctcacacaa gtctattaca 120  
 tcaatttaaa cttgttcaaa ctggatttta cgcctaaaat tcaccgaatc aaaatttgac 180  
 tcccaacacc caaatttacc ctagaaatgg ctctttgttc acttttgtca tttgtttttc 240  
 tctctagcac agcccaaact ttctcataag tcctaaatgg catttcaagc taggattaac 300  
 tcactctaac ctccaaatac cactaaatcc agatttggcc ttccaactct caaagtctca 360  
 ctcttttttc acttacaaca ccatactc 388

<210> 6871  
 <211> 429  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6871

agcttcgcac gtaagatcat cgcgtcagag aacttaacca ttataaaaag aatgggtgaan 60

aatatatntg taaacttatac gaatcaataa atgctatgga gggtagctat tttttatgat 120  
tctgtagatc atgatcttgc tcatgattat attttaaatg ctttaagaat gaattctgat 180  
tctattcttt atccagaggt aattagttct ctgggttggt tatcacanag aaaaaataag 240  
aaatcagaat tataactttc aaaatagcat aatagactcc ttatagagta taaagatata 300  
taatcggaat taatattggg cataaccttt ttttcgcatg tctcttttat gttggcaatt 360  
acatcattag aaatcattaa ttattaattc aatacaagat catatttcat gtgtctctat 420  
tatataaag 429

<210> 6872  
<211> 302  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6872

cttcactaga gagatatgag aattggtgtg tctttttctt ctgcttcta ctccttttat 60  
aggctctaagg tagcttattt ttcattgtga cttcgacta aacgcgcact cctgggctta 120  
acgagaatgg cgttttaatac acgtgctcaa gacagtgtgc gcactaagcg cagccttggg 180  
cgttctcgtg ggccttcttc gtgctaagct ggtcgctaag cgagcacgca cgttgggcct 240  
gtctcgtgcg ctaaaagagc tgttcatnta ttttaacttt tcttcaaggc tttttctttt 300  
ag 302

<210> 6873  
<211> 189  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6873

cgagtatgaa atgagtgaac gccatatatac ttgcatatac attgcttgta tctttgattc 60  
aaaaattaaa ttgtcatcat acaaaagggg gagattgtag aaacaagact ttgcctttga 120  
tgtttgatga tgcatatgat catgatgttt gatgccttat aanatgcctt ctcaagntaa 180  
ttcaagaca 189

<210> 6874

<211> 461  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6874

ctaagcttga tgcaccttat aacatattgt ttgattgcaa ttttgactgc atctttacta 60  
 tcaaattcca tgccaacata taattcttgg ccaacattaa agttcgacgg catctccaaa 120  
 ccgcaaattgt ccttctcatc aggataagtc cagttgatat tgttataatg tgaggcatca 180  
 ttccaaaatg gattttcaat tcgttgtgca cctaacagtt caaaataaga taaaaaatcc 240  
 aataatactt atttagcatt aaatacaatt gtcacaaat aataaatgta ttgtctaatt 300  
 nttttataca acacattata ccttctgctg ggtgaacaat tcttactggg tganngaattg 360  
 tgggtgacttc atcgtctgtg tcagatatat cgtcaacact gtcaccttcg tctaaagact 420  
 cttcaacata tgagtttagac acaagaatat catcatcatc a 461

<210> 6875  
 <211> 95  
 <212> DNA  
 <213> Glycine max

<400> 6875

agcttggaga gaagtgagat agtggttcgtc tattacatgc catacgccgt tgaggaacag 60  
 agggatcgca agatatcttg cgtgtacatt gctag 95

<210> 6876  
 <211> 442  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6876

agctgttagc attgaatttg tgctaccagc ctatcactat tcactataat aaagtgtggt 60  
 ttaatctata gaatagatgt tagatataga caataattta attatgactg acctgngtgt 120  
 ttttttggca gctaactgaa aaagtactcc ctattgtgaa gaagcaaaag ccaccatgta 180  
 tactccgtag ggctcattcc ttgcaatggg agatcaaaat tgctaggggt gcaagatagg 240  
 aattgaatat taaccacatc tattgtggga catgagcata ttaatcatca tctcttaaaa 300

atcatagttc tcagccta at gggtactcct accatgacaa gctagtcaca attctcaa at 360  
 tattcattca ttttttcaaa aactaaacct acgtagttta aagtgtctac tcgctcccct 420  
 agccttaaga aacaatcctc at 442

<210> 6877  
 <211> 381  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6877

agctgaccgc taaacgaggg gtcattgctgg actttgtttg cacgctaaac gagatgcaat 60  
 tgnccctccga attcttgc at caaattttgc attaat taa cttccaaaca cttgcaattt 120  
 cccttctttt gaatcctggt ggtccagaat taaaatgata tcaaaatcct cattattctc 180  
 ttaaaaaata atagtaaagt cgaggaaatc tagtcattct tgtttgattc gactatcaat 240  
 taaacctaaa tttcacagat atcatgatga agttagagat tcta atgagt tagatactcg 300  
 agatggaagt gacgatgaaa gtaatccaca agtcaaattt ctcgatttaa cgtgtctgaa 360  
 aatgatgaag atgtaagttt g 381

<210> 6878  
 <211> 406  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6878

agcttcacaa acacccacgg gacctttcat tttgcagcat cttcaagctt tttctgcaca 60  
 tttgcctcaa ttattttttc attccctaca tccattcaa gtaagtgcc tctccatcta 120  
 attntacctt tgccttgaga tgtttggtgc tttgtttgtt gttatctttg taatgtttgt 180  
 gagatgagtt gtgtgtaa ac ccatgggtcca atgctttgat tgggtggctgt actagatggc 240  
 tctaggccta tctttgtttt tttttttaca gatttgc atg tcatgttgct ccttatccct 300  
 catatataca tgcattaaca tatgcacacc aactatntga tgaaataaca caattgctat 360  
 tctacgtgnn tatttgatgc ttgaaatggg taatgatatt acacat 406

<210> 6879

<211> 460  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6879

ntctcccaag tcctanatga catttcaagc tagtattaac tcactntaac ctncattttac 60  
 cacagaattc agacttaacc ttncaccct caaagcctca ctctttttcc actcataaca 120  
 tcacattctc actttctaac cctagggttag ttctaccctt catctctaac agttttccat 180  
 cagcaatttc agcatataaa catcacaaac atcatcacia aaaccctaaa acagaatggg 240  
 tatgtttaac tcaccaaac atggcaattt caacaagctt tcaacaagag tcttcacaaa 300  
 taactaccat gaagcagaaa actaacaaaa ctacccatca tatctncaa aaccccatc 360  
 ccacgaaaat caaaagagaa agaagtcacc cacacctgaa aattcgaagt cccactcgta 420  
 gacacgcact tcaagacttc gaaaatggct ctctttcgcg 460

<210> 6880  
 <211> 444  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6880

agcttaaggg attgtttttc cttttaatct atttatatta aacaaactac tataagaatt 60  
 aagaaagatc tgttntggaa ctttcccata taataaataa tgcaaataac accgccttcg 120  
 atctatggaa gctactccaa ttcccaacat atgaatacaa aaactaaagt tacctcggcc 180  
 atggtgacgc acattttctg tctccattcc aaatcttcca tcaccatctc tggacaattt 240  
 tcattttcca ctttcatttt caacacgcaa aagtaatacc aattaatctt cttgttcttg 300  
 gtctcgagca ttagtagtac ctggaacctt ctctgtcgtc taatatcata ttatttcgat 360  
 tctagctttc tagtactctt ctcaatcaac cagcactat aagggtttct cttgataatt 420  
 tctgtgctt aatctcaatc atat 444

<210> 6881  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<400> 6881

actctagcat gcactaaatt ggtgtggatg tctttattat tcacgctgga ctaaagccaa 60  
actatgtgga tgggtataag tattgaattc accaatttca aactttaatc atattgactc 120  
ataaacactc ctaattctta ggactttttt aactttattt tggctttctt tatacgaaaa 180  
aaaaatgcta acacataata acactatgta acattttatt tt 222

<210> 6882

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6882

agcttctaga aatagatgtg tgtgtgtggg tgttattcag nccccanaa cataccacaa 60  
acatactagg aagggactca gcactcacct gctgggtgtg cgcattaatt atattgatca 120  
gttttggacg gaatatggca acattgatgg tttctagtagt gaaaataaga ctaaacagaa 180  
cccatgctcg ctctggagta cccgcaatgt gatgcataca agtctgcaca actgaagcca 240  
ctttctaagc ccatgtatcc tcaattcttc acataatgaa atttgattag gcatggcatt 300  
gcaacactgg cgttatcagt atttcattat atctctatct gcatcatgct actcctttga 360  
acaatgccag at 372

<210> 6883

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6883

tcttagcgta cctctgattg ctcaangact tgcgatccat ttcttcggtg tatgtgtggt 60  
gccagggagg tggttttggg tttcttgatg ccattttcgg gactttttaa gactgggtgt 120  
atgcaattgc tttctgcacc tctttnttcc tattgcagtc cttagaagac aattcttatg 180  
cgcacttcat tgcggctgtg acaattcaca ccgtacctta ttggtggcat aagagcctta 240  
catgcaatct gccttggtat cttaaaaaat ggcattcgca aatttgattc aatcgcaatc 300  
caagatccga tgaaagggtg ttattaaact actataaaat tttccctcac cagaagaatg 360

attttaatga ttcgat

376

<210> 6884  
<211> 310  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6884

agcttgggtg atgttgcgcg tactgatggg taccatgagg tgtttgctga ggtttaaccc 60  
atgcgggtgt tgaagagacg gcatgggcat ctccttcctt cctttntgcc cctgttgccc 120  
cgattctttt ggcgttcacg tttgtggagg aaacgtaatc aaacttttct ctcttcaatc 180  
caacctcgat tctttccccc gcaaacacca aattcgcaaa gctggacggc atgtaaccca 240  
ctatcttctc atagtacaac actggcagag tgtccaccat catggtgaca ttctcttctt 300  
aaccatggga 310

<210> 6885  
<211> 384  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6885

ttctcccat tntcctataa ataggggaag aggtgaaggg ataaaatgtt cagccctcct 60  
ggtaattcga gaatcacttg aaattagtga aaaaaattgt ttccgtgaag aaaatccaag 120  
ccgaggcgct tccgtaacat ttccataacg ttccgtggg tgatttcgcg aagattttca 180  
accgttcttc aacgttcttc gttcgttctt catcgttctt cggctttcaa ccgtaagta 240  
cccaaaatcg aacttttcaa ttcatntat gtacccttag tggctctcat ttgttttcac 300  
atgcttttat cttcatttca ttactttnc gtatccctt ttgacgtgct ttagtcattt 360  
tcttaagtca ttctctcgcc taat 384

<210> 6886  
<211> 474  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6886



gtcttaagca ctgagctgca gctataagaa ttggtcataa aatttaagtc ctaatatgct 60  
gataanaaca cnccttaatc tttctttcct tcctcacgt ntccttaact tgatgcctnc 120  
attatttctt tctcttgcat cgacgaagac cagtaccaac catatgttaa ataatggtag 180  
catgtcggat gagtataaaa tatatataat atcacatgat gtnctctaataaaaaattag 240  
acattgaatc attatactnt cctctctctn tctttntcaa tgccccacca attttttgct 300  
ataaataccc aagaaatcat cccgttttct cacagacttc ctttgctcan agccaaacca 360  
aatnttctct ctttcactta gttattgact ccccaaaagc ttttcanata tctctggtcc 420  
tctctcacgt accttctccc tatctttcac tccacttctt aacaccacaa aaca 474

<210> 6887  
<211> 492  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6887

cacgtttgaa ccgtcacnch ctgannccct tgaataacgc gcactatgat actaagctct 60  
ctaaatctac gnggtattta ttgacttcat cgggttttgt atcccttgaa tgggtgagat 120  
atatatgcct tgtagaaaca ccctgggatg gaacatncta ttattttttt cttgtgctgg 180  
gggaatcata tagactatat aaaattcgcc cttttagaag atggaatatg gaattttttt 240  
tttttaatgg gagaggaaat aaatttgaaa ctttgtatta atattcttca agtaaaaaat 300  
taaaaaaata ttattgtgga aaacaagatt taaaaaacta ccaaaataaa ttccttctaa 360  
ttgtggtcat caaagtcaat agatgctttc cgtgattgcc gtcaagacta aatggagctg 420  
agtgactcaa tagatgacca ctcttggtat ccccttttcc acccaactct tctttcttaa 480  
tgatacaaat cn 492

<210> 6888  
<211> 466  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6888

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cacacacaca cttntccta gtcgatctct cacataaaat tccattcttc cccttttggt 120  
 tntgaaatnt atgctttctc ttaaaattaa agtgattact catgtgagtt cttgatttaa 180  
 tccctatttc tcttcnctt tggtatcaac aaaaagccaa agtgcataac aattttgaag 240  
 cattcaaata taactaagca tccatacaac attcatggaa aaatatcaac caaatcatga 300  
 agcaagaacc atgaagcaac aatcatgaat agattaatta taaaatccac atagtcaaata 360  
 aacatactnt aatattgttc aaacaccatg canataaaga aatagggaaa tgttcanata 420  
 tcataataat atagattatt tggataagtc actgacatct attagt 466

<210> 6889  
 <211> 448  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6889

ctccaaagtt ntctggtnt tctaaacctt gaaaacttgt gctanttcatt tttttcatct 60  
 cttctccttt gccaaaagaa ttgcgaagg actaacgcc tgaattcttt ntgtgtctct 120  
 cttcttcctt ttccaaaaga acaaaggact aaccacctga attcttttgt gtctcccttc 180  
 tccttgtca aagaattcaa aacgacacag tctaagaatt cttttgatc ttccctttcc 240  
 cttatacaaa agttttcaaa ggactaccg cctgaaaatt cttttgtatc cccattcaca 300  
 aagtatcaaa ggtttaatcg cctgagatct ttgtcttaac acattggagg gtacatcctt 360  
 tgtggtacaa gtagagggtg catctacttg cgttggtgat tgagaacaag agagggtaca 420  
 tctcttgtgg atcagttcta gtggaggg 448

<210> 6890  
 <211> 341  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6890

agcttagacc cttatagcta tgatgcagaa gaaatgaaga aagtgatagg cattgctttg 60  
 ctgtgcactc aagcattggc tgcaatgagg ccaaactgt ctgaagtagt agtcctactt 120  
 agtagcaatg acttacttga gcatatgaga ccttccatgc ctatcattat tgagtcgaat 180

ttaagggccc aaagagatat ctctttcttca actgcttctt ctacgactaa tgcaactatc 240  
 tccaattcaa tagtaccgcg tcgatgatta aatatatgat gtaaaantnn atttttttgt 300  
 ccagttcatt attaaggatg attattggta aatcttactt a 341

<210> 6891  
 <211> 330  
 <212> DNA  
 <213> Glycine max

<400> 6891

tactaagctt atgatgaatc aagaatgatt ctacgagtct tgatgataac ttagatgatg 60  
 acaaaaagct caaaaagtcaa gatcacttca tgataacaaa gatgatgaca ttcaagaatg 120  
 agttcaagtt tgagttcaag attgagtcaa gaacacttca aggatcaaga gtcaatttga 180  
 tttctagaat caagattcaa gaatgaaaaa taatcaagat caagattcaa gactctaaga 240  
 ttcaagaatc aagataagta ttaagaagtt tttcaaaaaca ttgagtagta caagaagtct 300  
 tcacaaaatc attaccacag agttttactc 330

<210> 6892  
 <211> 332  
 <212> DNA  
 <213> Glycine max

<400> 6892

ctataaattc taatatcttc ataccctact tttaacacac gatacataga aacaaagtgc 60  
 aggtgaatca caaatttcgt cttcaaacta ttactctctc cgctaaataa atgctaaagt 120  
 aataacacta ttcaaggaat ccctagagta ttgaatattc atcaattgag tccctacgtg 180  
 gatgtattgg tttactgttt aaggaatatt gtgaggggta ttctaattatt aaagggaaaa 240  
 ctttgtctaa tttctaataa ttatacgact acttaagtag ttcgtttttac tataaggata 300  
 ttttacttaa ggtgtgggca atcttcatca ta 332

<210> 6893  
 <211> 375  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 6893

ctaagctatt atctggggta caactagata cgatacatgg ttttaattta cgactttatt 60  
ataactacgg ttacactcag ggtctacttt gagcccttat cctttttacct tgatgttgga 120  
tatgcttatt aaacatatcc cacagctaga gctacaatgt gcgctttnta caaatgggtat 180  
agcttttagtg tgccagtggg gatcgattat tcgtacgatt accgtaaaaa gatttggaag 240  
cacattactt ctgattatgt atgaacaaaa tgaagcatgt ctaatggcag ttcatagaaga 300  
ccaacactat tgccactgta tacgtgaaca ttgaaaatca cacccttcca ctggtctcaa 360  
cacgtcttgg atcta 375

<210> 6894

<211> 193

<212> DNA

<213> Glycine max

<400> 6894

tattacacaa cgtggcggac aaaagtgggc agtttacttg aacggtcatt attgtccatg 60  
cggaaggtat tctgcgcttc actatccatg ttcacatatt attgcaactt gtggttacgt 120  
gagcctgtac tactaccaat atatagatgt cgctatacaa atgagcacat cttacaagct 180  
tactccgcac aat 193

<210> 6895

<211> 349

<212> DNA

<213> Glycine max

<400> 6895

ctaagcttct aaagagggtta gcttagttat tagagacgcg cgcgtagttt agctctagct 60  
tctcaaggaa gcttcttaaa gaagcttctc aaggaagggt ctcaagaaag cttttcaccg 120  
aagctaccta cgctataaat agaagcatgt gtaacacttt ttgtaccttt gatgaatgaa 180  
agtgttatga gacacacttc agagttccac ttttctccct cttttattcc ttcaatttca 240  
tgctcccacc ttctctcttt cttttctctgc attaaagcat cctcttcaag cttcttatac 300  
aacgcacatt cttggtggtg aagatcgctc ttccataggc tattcccta 349

<210> 6896

<211> 426  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6896

ctaagctntc tcgcggcttc tttgagaagc tttctcgagc agcttctatg agaagctaac 60  
 gttctaacta ctaacaccct tgttaataac taaaccacc tccttgaaaa taattacgga 120  
 taaaaataac acaacaaata taatcaaaca tcaagcataa ttactaaata tatatagata 180  
 tatatatatc aggggtgttac actaagcgcg agatcagtgt gctaagtgca gtanttgtct 240  
 tcaaccaggc tcagcacacg actagtgtta agctcaaata cactcactcg cgctaagcgc 300  
 gaggggtggcg ctaagcgcaa catcgtgaat tcaaagccta tttaaagtct gtcttgtgaa 360  
 aattacggta caagttttat aataaccagt gcacaaaatt ccacagcaca ccacaatgcc 420  
 tatttc 426

<210> 6897  
 <211> 374  
 <212> DNA  
 <213> Glycine max  
 <400> 6897

ttacaacgta gtgactggga aaaccctggc gttacccaaa ataatagcct tgcacgacat 60  
 tctectatcg cgcgctgggc gtatatcgaa tatgcccgca ccgatcggtc ttctcaacag 120  
 ttgcgcaacc tgaatggcga atggcgctg atgcggtatt ttctgcttac gcactctgtgc 180  
 ggtatttcac accgcatatg gtgcactctc agtacaatct gctctgatgc cgaatagtta 240  
 agccatcctc gacacccggc aacacctgct gatgcgaatc ccttgagaca ccaataacat 300  
 cttgtgtcat atcgccaatt tactgactct tctcttataa actcactctc tccttagacc 360  
 acgtcctgcc ctgc 374

<210> 6898  
 <211> 465  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6898

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 tgtgggctgt agcaccgggt ccgcttacct agctgtattg gaggcgcgcg ccgtggcatt 120  
 atactctata gatctctgaa gctctagcat ggccttcgtg atagaagcca tttgatcttt 180  
 aaaggtcgat aggtcggcct tcatactgttc ttgcactccc tcttcattat ccattattct 240  
 ggatcgagtg ttataggggt gcctctgcac tttcttagtt attgtgagtt ccctaaagaa 300  
 acaacaatg gtgagtatgc caccaaaaca tgaatatgct aatgaatgat cggaccactt 360  
 ggatccacct caagatttta gataacgtga tgagttcaga acttctcgtt tataaaagga 420  
 acaagcttta tctaccaaga catacaaagt gtacacagac ctaca 465

<210> 6899  
 <211> 316  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6899

gtctaggatc tcaaattaag tcttggagc aataaagatc aattgccatt caacatggaa 60  
 gggtttgtaa cacaaaacat acatcagaat actaaaaaat tattaaattc ttactcgta 120  
 ctttttttga aaagagaaac ctaagcatac aaaaagcaca tcactctacc cactangtgt 180  
 ggcttttgtg aatgagctac cggttaccac ttagaactct ctgtcctact ttagacacca 240  
 aaataaaaaat gtattatgta tagccctct atacttaaca caaataccac accacgacta 300  
 aggttagtgt ctggtc 316

<210> 6900  
 <211> 286  
 <212> DNA  
 <213> Glycine max  
 <400> 6900

agcttccacg tctaatatgg aatttatattt cttttttagt acgaaaaata tctataatga 60  
 atagagtaat atgttttaac actacatgtg taatttggag caaagcatca tgtgtatgaa 120  
 tctagaaaag aagagaatgt ggatttcaat taccaacgct tgaaaatgaa tcagataacc 180  
 catgtcgtgg acgcctgact ctaaaaccga tcttcccttt cagctatttg tttctttcta 240  
 actttggacg ccattgatgc catataatct tcttatgcag caaaaa 286

<210> 6901  
 <211> 154  
 <212> DNA  
 <213> Glycine max

<400> 6901

tcttcttctt ctaatgaccg cttctctttc ttcactttcg gttatggtaa caactaaagt 60  
 gcaacactca ggtatcgcca tcgtttaatc tcacagagcc tgcaagagtg aagttagata 120  
 actatgatga tctagtcttg gagctgaatg agcg 154

<210> 6902  
 <211> 459  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6902

agcttcccaa ccaatcttcg atatctttca ggatcagaat aaggctcccc atgattgggt 60  
 agcaattttt gatttggatc cataggagta tcaattggtc tacaatctga cataccagtt 120  
 tctttaagta tgtctaacgc atacttcctt agtctaaaaa tgactaaata aatgttcttt 180  
 tagttgagca atttttcctt ggtcatttct tatgatgact atatcatcta tatagaccac 240  
 caagtaaaaa catctactcg atgaggtatg acaataaaaa actgaatggg ctgcttcact 300  
 tcgttttata ccaaaagcct gaacaactga gctgaatttt ccaaaccaag cacgtgggga 360  
 ttgtttgagt ccataaagag acctncaaaa tttgcaaacc aagctagact tctctgagc 420  
 aacaaatccc ggtggttgct catataaatc tctattcta 459

<210> 6903  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6903

ctagcttctc aaggaagtn tctcaatgaa gcttctcaag gaagtttctt caagaaagct 60  
 tctcaaggaa gctacctagt ctataaatag aagcatgtgt aacacttggt ggaactttga 120  
 tgaatgagag tcttgtgaga catacttcaa agttocactt ctttccctct tttattcctt 180

caatttcgtg cttccccctc tctctctctc tccctctttc ttttccctca ttgaagcatc 240  
 ctttcaagct tcttatccaa ggctcatctt ggtgggtgaag atccttcttc catggcttat 300  
 tccctagtgg atggcgctt ctctcacctc ttctcctttg tcttccgctg catctccatg 360  
 gtggaacatc accattaacg aacctcattg aagctcacag atccagcctc catagaagca 420  
 ccacaagcaa gcttccgtca cat 443

<210> 6904  
 <211> 470  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6904

agcttcctta atcacctcat taaggactag aacaccatgt aggatgtgtc tgtnttttat 60  
 gaaagttgtc tgctctcat caataagacc agatatcact tgtctcaatc tatntgctaa 120  
 taacttagct atcaccttgt acatacatcc aatcaaggag atgggtctgt agtcatcaaa 180  
 tgactgggga tgtttaattt tgggaatgag agctatgaag gaagcattac tgctctagg 240  
 gaaactgcca tgtacatgga attcatcaac aaatcttctg aagtcagctt tcagcatatc 300  
 ccanaattct ttaatgaatt tgaagttgaa accatcangt ccaggacatt tgctcncatc 360  
 acaactccat actgcttctn tgatctccaa atctgaaaaa ggaacaacca aagactcctt 420  
 ctgctcctgg gttagtgaag agaaatgcac tccatcaaga gtgggtctac 470

<210> 6905  
 <211> 456  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6905

tangctaaat tangctaaac tttcataagc tgcttgagct gagtctagtc ttacaagagg 60  
 gatctgtgga cgaaatatag ttttaagttaa tctaaaccta agaagggtgt cttaattggg 120  
 catagtcgaa caaaaaggat ctgaggacga aacttggatt gatttgggtct aatgagggat 180  
 cgagggttaa taatttacgc tacaacataa aacacaagag catgattgat tagagaaata 240  
 tatttatatg catcagcttg cttgttagaa agaccaaca tttctaccta ctgttataac 300



ttttacttac cttgcattnt atagttttta acataaaggt ttagttttaa ttctgtttga 360  
aattttcaat catacatggt ctcttaacaa tgctttatnt ctanacttaa ctcacgctaa 420  
cattagttcc ctgtgttcga tactcggatt cattcg 456

<210> 6906  
<211> 319  
<212> DNA  
<213> Glycine max

<400> 6906

aaatttcctt ttatgaatga tgctctccta caacctaaga caaggtagaa ggagataaac 60  
tgtacaagct caaggtttaa tcaaacaatc atactttcag ctcacaatgg gtgcaaggga 120  
taaaccaatc atgccccagg taagctttct agctaagtgg ctatcttcaa tcaaaacatg 180  
ggcttcatcc tcttcaaact catgtgtatt cattccatac tcagagattt atgtaaaagc 240  
cattacttac tgctagtcgt tctctcacia ttaaagatca cactctcact ggggttgccgc 300  
taatgcattc cttcacaat 319

<210> 6907  
<211> 299  
<212> DNA  
<213> Glycine max

<400> 6907

tcttacttta ttgacacgct ctctttgagg gctatacatc tataattctt taaatggctt 60  
ggttatgaaa gctaggagtc acttactgac aaaacaatac ttgaatgttc ttacgttcaa 120  
ggggaagcta agggttgtgt tagtagtgac ctaaagaatt cttgtcagac aggagagggt 180  
atggtagaat atttaattga atcacatcat tgattagtgg aaccatttac tattttatta 240  
acgagaacta cacatacgct agattgagtg aaataatata aactaagcgc ttctactac 299

<210> 6908  
<211> 363  
<212> DNA  
<213> Glycine max

<400> 6908

tgatcaaac aaacatctaa tcattccagt ccaactcaatt cataattct ctcattcaag 60

tcattcacaa acacttcatt cataagaaat cacaccactg aatatcataa ttaataagtt 120  
 cactgttcaa acatgctttt gtacaagcta tcaacactca aacaaccaa atttaaaaga 180  
 ctaaaattta aagactaata aagcataaac aaataattga catgaactac ataattgata 240  
 aaagaaacta ttcataattht gcaaaattht aaaaactatg tagaatttaa aactcatgat 300  
 catectactg ctgatcttct gcatgctcgt tcagatccag cattggagca gctgggtgat 360  
 cct 363

<210> 6909  
 <211> 299  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6909

gcttgcnag ctcacataaa tgagaaaaga atcataaaac gtaccttgcg ttgatgtcgg 60  
 actccaacgg aggatgctcc acctcgcggc agtcacgaac cccaatggca gtcgtgaacc 120  
 ccagcaacaa cgatgggtgag gaggagatgg tgggtgacagg tcgcaaaagg cagtcacagg 180  
 tagcataaaa cgatgatagg tcttgcggggt ganagggaga agaggaaggc ttcgtttgca 240  
 atactgagcg cgcgggagaa aaagtggtht tgggtthttaa tttatgtata acacaacat 299

<210> 6910  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6910

tatacaagtg gattcaaact ttctaacttg tttttctttt tttaaaaatc aaacaggthc 60  
 cttaagaaca aagcttaacc aagthttcaa gttatacttc tattggatct attaagcaca 120  
 taaaatgaat gaccaagaaa gtcaaattac ttggthttgc atctgcaacc atcgcggtcc 180  
 ataataatca tattgttgthc catagcccgt atgtgctcaa ggcaattaca gaacacaaca 240  
 ttgataattc aaccaacatt tctgtacaaa agcaatntga attggtacaa aagcaaggca 300  
 atatctaaac ctacctctct gggcacaata ttaacaaaat caattcacca ctataatatt 360  
 catcaacatc aacatanagg gtacacaata aaaaagaata agcacatgca caattataat 420

gacttgacaa ttacccgcgg agc

443

<210> 6911  
<211> 409  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6911

agcttggtgc attntagtga aagaacaccg agtactatgt agtctcacia atgcaagaac 60  
tacgtagggtc tgagttcctc atcaciaaatt gaggatacgt aggagcaaaa gccccgcttt 120  
tgtcgaccac ctgcgctttt gctatcgtga cctgtgagtc cgggtggcacg cggaaacacc 180  
cgatgggttat ccgcgcacac tntttgctat cccatgacct atgagtccgg tggcacgcgg 240  
agacacccga tggttatccg cgcacactct ttgctatcca atgaccaag ggtccggtag 300  
catgcagaga taccttcggg ttatccgcac ctttcgccag ctagaggcaa gcgagcccgt 360  
tgacatgcag agatcaacgt ggatcatctgc acctttcctg gagatgtca 409

<210> 6912  
<211> 458  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6912

tggagaggat gcttaatgga ggaaaagaaa gacggagaga attagagagg ggggagcacg 60  
aaattgaagg aataaaagag gtagagaagt ggaactttga agtatgtctc acaagactct 120  
cattcatcaa agttacaata agtgttacac atgcttctat ttatagacta ggtagcttcc 180  
ttgagaagct ttcttgagaa aacttccttg agaagctttc ttgagaaaac tttcttgaga 240  
agcttctttg agaaaacttn cttgagaagc tagagcttat ctacacatac ccctctcata 300  
actaagctca ccttcttgag aagcttcctt aagaagattc cttgaaattc tgatactggg 360  
gacagatgtc gtacacgatg tcacgacatc acgctttaga acatgcagat tatatttgac 420  
agtgtggtcc gtttaaacia atagataaca caagagaa 458

<210> 6913  
<211> 442

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6913

agcttctccn caattntcta taaatagggg gagaagtgaa gtgaaaaagg gttcagcccc 60  
 ttaggcactt ctctctcttt cgaacttgct tggaaaaatt gtttccgtga agaanatcta 120  
 agccgaggcg gttccgtaac gtttccgtga ggaatttcgc aaaggtttcg accgttcttc 180  
 gacgttcttc attcgttctt catcattctt cgatcttcaa cgggtaagta cctcgaacca 240  
 agttnttcga ttcattctat gtaccctggg tggccacat tatgtttcgt gtatttttat 300  
 tctcgtttca ttacattttt atacccctt ttgacgtgct taagccattt tatttaagtc 360  
 atttctcgct taacctaaga ataaaataaa tttccaccga tcgtttgaat tgattatccc 420  
 gtaacttcgg ttaaatgaat tc 442

<210> 6914  
 <211> 389  
 <212> DNA  
 <213> Glycine max  
 <400> 6914

ctaagcttct tggaaacttc ttgagaagct tctttagaaa actttcttga gaagctagag 60  
 cttagttacg cataccctc taataactaa gtcacctcc ttgagaagct tccttgagaa 120  
 gattcctaaa gaacgtagag cttagctaca cacacctctc taatagctaa gtcaccttc 180  
 ttgagatgag aagctagaac ttagttacac acccctata atagctaagc tcaccccat 240  
 tccaaaatac atgaaaatac taaaaaaagt cctactaca aagactactc aaaatgcct 300  
 gataggctaa aaccctatac tactagaatg gccaaaatac cacgcccaca agaggaaaaa 360  
 cttattctaa tatttacaaa gctaaaata 389

<210> 6915  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6915

ctcgacgaca tcactattaa cccacagata gaagatgccca caataatggt attgttggtg 60

tagattcgca tcttctttta gtgcatgaca ccgaggcatg cacttctcga cggctctcaa 120  
 caatggcgat gttgctgcaa ttatgtagat ctactctttt cgaactgttg ttttanggag 180  
 gatgagaggt gaacgtggag caatcattga gtgaggggca catgaataaa caatgtatac 240  
 cacaactagg gatttctaaa gggtgaaact ga 272

<210> 6916  
 <211> 379  
 <212> DNA  
 <213> Glycine max

<400> 6916

ctaagcttgt aataagaata catagaatcg tatattaatg agataaaaaa tatattttaa 60  
 ccctcgatat gtgtgataat gacttttttc ttacttttac gctaattata ctacttttac 120  
 atttaattat gtaaataata accatcactc acctatatag ttgttttcaa gataaaagac 180  
 taaatcttag acattttgat cattcgcta ttgtgatttc agataaaagt ctatgatgag 240  
 tgacataaag taagtgaaaa agaagggtgta aagaaaaaaa cctcgcgaga aatgcaacat 300  
 ttaactgtat atgcagccta aggatacatc cagcgtctct tattacaaat atcatttgat 360  
 aacttcttat tatacacac 379

<210> 6917  
 <211> 354  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6917

agcttatgct gcanacatct acaatagacc tinctaacct cagcagcaaa atcaaccaca 60  
 gcaaaacaat tatgacctct tcaacaacag atacaatccc ggatggagga atcacctaa 120  
 tctcagatgg tctagccctc aacaacaaca acaacagcct gctccttctc tcaaaatggt 180  
 gctggtccaa gtagaccata cgttcctnct tcagtgaac aacaacaaca gcaacagcaa 240  
 catcaataga gacaacaatc cactactaag gccctcctc aaccttcatt ggaagaatta 300  
 gtgaggcaaa tgacaatata gaacatgcag tttcagcagg agacaacctc aatt 354

<210> 6918

<211> 412  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6918

tttggtacan aagaagaaga agaagaactt canagagatt tcaattgctt gttaaggatt 60  
 gatttgaaaa gcaaaagtat tcaagattgt tgctagaaag attgattgaa aatgcaaaac 120  
 aaagccttga ttttatagac tcttcatgtc tgggtcaagaa ggccattcag aagagttata 180  
 actttttaga aaaacttaaa acccatttga aaaagtcaaa acctttttga agagttacat 240  
 cttttgattn ttcagaaaca gtcactggta atcgattacc aaataagtgt aatcgattac 300  
 acaaagcttt tgagtgaag gatgtgactc ttcacattta aattttaatt tcaacgttca 360  
 aggtgtcgca acctaccctt cggcgggagg gcgacgcgtg actcgcgga tg 412

<210> 6919  
 <211> 417  
 <212> DNA  
 <213> Glycine max  
  
 <400> 6919

ttgattctag ttgacagcat gatgcctatg cattatattt cgtgtataat ataagggaaa 60  
 aaatatttct ctgtcgtgct ttggtacaac ttcatttggc catatatctg gttacatggt 120  
 ttatcacttg ctttgaactg gtttctctta aatgatctgg catttttaaat aaatctatac 180  
 gttttaattg aaagatttga ctttttcttg aacttcattc aagacttttg agttaagctg 240  
 tatgctttcg tttgaaatat taactacttg tatacttaat ttggtgtaat gcacttgtgt 300  
 aataaatgag aagggttaca ttctaagag tcatgattat cgattcttgt ataaatttcg 360  
 gatttacgta aaatatacaa gctatgatga aattgatgaa gagaaaacgt ggtggaa 417

<210> 6920  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
  
 <400> 6920

caagtgggtc tggtttctat ttgcacaccc ttttttacta aatacacccc ctttactttt 60  
 ttctgtgcat cttttttcgt aacgttacga aactttacga atctcgtaac gatacttatt 120

ttcttttctgt acgttaccga accttacgga tcatgaaaat actctttttt agcttttcgaa 180  
 aaagttacga aaactcacgg attgtgtaac aatactctct tttgatttct gtcacgttac 240  
 ggaatttcac ggat 254

<210> 6921  
 <211> 422  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6921

tctagtcgtc catagacctn ctctgtggta cggcttagca nacgttgcac ctgtgcattc 60  
 atcgcatcca ctaacagacg ttgagcgccg tncaactgat ggtacttgtc accaccacca 120  
 cctgcttcaa ccataattca acaggaaaaa aaaaatgtgc aataaaaatt attaaggttt 180  
 caggacctca caacactcta ctcacgtctc ttagatggta gtacactcgt gtttaattgct 240  
 ctcaataggc tcttgtgtaa tgtattccct cttgcctttt accactcgtg tttcctctta 300  
 agttcctgga tggaccacat tagacacaca aggtaataa aaataaaaagg aaagacaata 360  
 taatgatcac aaacagattt gatttgggat aacaacttgg acttgattng gataataata 420  
 ta 422

<210> 6922  
 <211> 484  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6922

agcttggttg tggcaaagtc aaaatctaata agaatgtata cttgaatcaa cctgtagcta 60  
 gctatttttg tattcattgt aactaacgga gattctaaat ttccacttaa tatgtgaaga 120  
 tgtacctttt ctgagacctt attgctacta ccatttagta gctctgggtc catccaaggt 180  
 agagttccac gaacaccacc agacaccaag gtatttcgct taatctttga taggcaaaaa 240  
 tcaccaacct ggtgaaaagc aagtttctta gctttatcac aatgaagaca atgtaataga 300  
 atgaataatc cacagcttga aaagatacct tgcataattgg ccgcatatga tccttcaagt 360  
 tcacgagcan atngtcacat ttcaagtcan aatgcacaat atttttcgag tgtaaattatt 420

ccactccaaa agcagcattc atgggcaata tcagtctctt gcggcgtaa gatacctgga 480  
ataa 484

<210> 6923  
<211> 462  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6923

nntttgtacg acaccttgta cgcaaattga ctgttaatcc tctcttgaat caatgaaatt 60  
tttatcgatg gatcttctct aatcatgcct gtcaatagaa taacaaaatt taaatgacaa 120  
ttaaggctta acaataacat aatatgaacc taaaatacgt acctactaca caagtcacaa 180  
ttaaatctga atcaagtttc tcgtgatctt gggtcatggg catattgaga catgtgtgtg 240  
gtccacccca ttgagtgaact ttccatgaat cagtcttttt agatagaatt gccctcatgt 300  
agaaaaggca aggacaatct gcatttctat taagcaacan accacatact tgtcccattt 360  
gctttcaacc actttgaaac tttgatgcac cctcataaca taattgtttg accgcattct 420  
ttgaccgcat ctttactatc aaattccatg ccaacatata at 462

<210> 6924  
<211> 374  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6924

agcttncatg gctggccctt agcattcaaa actaaccctt tgtggggaat acaaagccta 60  
gcttcaatct cttgaggatt agtcctcaac ctgcaaaatc tagagtaaatt gggtaaagat 120  
tccccctctt ccaataccac tggcgcttga aggaactcat tcaggctgtc tgcattctatt 180  
ttgatcaagt gtctcgtac tctggcttgc ttgggtgctt cctcctctgt gctgtataaa 240  
ttagcataaa actccttcac catagctaca tctatacttc catcttggag attggcgagg 300  
cgtttgtgta gaatacgctt ctccaattcc actttaaact cgcaaactca gtatgataaa 360  
ttgcacattt ctct 374



<210> 6925  
 <211> 361  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6925

tcatgatgat gaatcatgtg anttcaagta atttgataat gacatagatg atgatcanaa 60  
 gcccgaagaa tgatttcaga ttgagtcaac aattcaagat ccagtttaaa ttgatgtttc 120  
 atgagaagaa atcaagaacg atcaacggat aagagaagtt tgattccaag attcaagaga 180  
 agaagaattc acgattcctg agaagaaatc aagaagactt cacaagggaa gtattgaaaa 240  
 gatttttcaa acaaacaaac atagcacaat tttgtttttc aaaagagttt ttctcataat 300  
 tttaagttac cagagttttt actctctggt aatcgaatac ctgtttcctg taatcgatta 360  
 c 361

<210> 6926  
 <211> 305  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6926

tgacgcggtg aagganacga gtgatgagat aagtanacag ttttacgcgt tacggctaga 60  
 gggttctgggt ctggactcgt aacgttgtct tcttctcttt tagaacttaa tatataatcc 120  
 atgttttgga aggaatctgt tggttcatac tcgtgtcgcg ttcctccgaa atcacttgaa 180  
 cttgattctt catctcttgc ctctaataa atactctaac agcttcgctt gatttcaaac 240  
 tccgacanag aacaaccttg tcgacacagc aaagcacagt aacatattac gagaagaaga 300  
 tgtgt 305

<210> 6927  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6927

cagtcttctt tacttttgtt gttgaccaca nagtggtacc tggagatatg tcgcgggggt 60

caggagaccc tgcggtcgtc aggtgggatg ctatttgccc aaaccaagct tgaccacatc 120  
 cgacccaaac ccggcatagt cagccagtga gaacctgtga cgaacctaac aggcgagctt 180  
 cctgcagtca accaataaaa gaacaaagat cacanaagca ggaggcttgt gtggtggntg 240  
 gccatctatg atatctgagt gggatctggc atttggcctc ttgtantcga ttaccancgg 300  
 tgtgttatcg gatacaaggc ttaataatgg agacaggaag taataccgcc tttggtatct 360  
 actaccacgg tgtcacatcg cttactcgct ataatcgata ctggtgctag gacggctcgt 420  
 tatccgctcc n 431

<210> 6928  
 <211> 338  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6928

tgagatgagg aagtgttgaa cggtgaaact tcctgctttt attgctgacc acagagtggg 60  
 acctggagat atgtcgtggg ggtcaagaga ccttggggac ctcaagtggg gtgctattgc 120  
 ccaaaaacaa gcttgaccaa tcccgaacca acccgggcat agtcggtcag tgagaacctg 180  
 tgatgtacct aaacaggcga gtccttgga gtcaacagat aaaagaaaca aagaccacaa 240  
 agcaaggagg cttgtggtgg ctggccagct gtgaattntg tgtgatatgt ggattatggc 300  
 ctctggtaat cgattaccaa ggggtgggtaa tcgattac 338

<210> 6929  
 <211> 486  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6929

gcttcagctc tggccactcc tgatagatnt agacatgccc aacacaatag tccctatatg 60  
 actgaagaag ggacaaatca attggacctc ctccaaatgg agggccaatt atcctaccaa 120  
 gatgtggccc tgactatggg tgtggctccg acttttgcta cagcttctag tgctgacata 180  
 tcaacacaat cgctttgtga tgtctctctg caccatcttt cctttgtcgc gataggcctt 240  
 tatgggaggg atcacgtnta gcaacatatg atgactgttt tgtgctagcc atttgaaaaa 300

aaatgaaaaa aaataagtga acatattaaa caattatatt taaccaagac aataaaataa 360  
 tataaanaac attacatttg tctaaagtaa ttaaaataaa ataaaaaaat acgataaaat 420  
 catgaatctg gtgtacatta tgatgaatca cacaacggaa tngtgattca ttgtatattt 480  
 tcatag 486

<210> 6930  
 <211> 413  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6930

tgctgatggt gcctcagaga gccttcatgt tgaggactac aagtactgat caatctaagt 60  
 gcgggtagga atcgggtattt tatgggtaca accgaatttt cttggtaatg agtattgtgc 120  
 ttcgactctt cccagaataa taatcgtttg gaattttgct ttttgttttt cctagtgttc 180  
 cttcatatca atttttagtaa ttcgggtgat tgggtcaaacc tgtgcaaaca ggggagggga 240  
 tgtaactttg ttttcttgat agacaccacc accttgctgt taacgaggct ttgtgtttat 300  
 cttgcaatta tctttctttg ggtttcatat tatatgatgt gatatntctc taaatatttg 360  
 tacaaaattt agataacgtg ctgatagttt ctaaaataat tatgcaatat aat 413

<210> 6931  
 <211> 320  
 <212> DNA  
 <213> Glycine max  
 <400> 6931

gtgcttatcg ataatgggtc cagtttaaac gtgatgccta agagcacttt ggagaaatta 60  
 ccattcaatg ccttccactt aaagccgagt tcaatgggtg ttcgtgcctt cgacggcacc 120  
 cgccgagagg ttaggggaga gatcgatctc ccagtacata taggccctca cacctgtcaa 180  
 gttactttcc aaataatgga tattaacccc cctacagct gtctgggtggg gcgcccgtgg 240  
 atccactcag tgggagttgt tccctctaca ctccaccaa agttgaaatt cgtagtggaa 300  
 gggcatctgg tcatcgatc 320

<210> 6932  
 <211> 457

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6932

tgtagactgg ctagacatga tacatgtcan ggttnnggtt ggttcaatga taaaagggat 60  
 gccccacatt atttccatga cacaaatgca aaaatgatga tttggaaaact ttatgcaaaa 120  
 ctgggtcatgc atgcacctat gtggacactc aagtgtcaaa attttttatg gtcattgtgat 180  
 gctaaagctc agaattcatt tcctctattc taaatcaacc caatgtttcc aaaatatggt 240  
 cttttatcaa tttgtgcatt catccgagtc catttcgggt gtccgngaa atttcacagc 300  
 attcaccctt cagggtgtaga cacattttta aaaattggtt atgatcaatg aattttttca 360  
 cagaaaagtt ggaaatcatc tctcttcaaa gaatgtcngt ccttagctag acacctaatt 420  
 tcttttttcc attttttcta cttgcttctt tttctat 457

<210> 6933  
 <211> 417  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6933

agctnnttgg agtagaaaca tgggaccaac tcattntatt tcataaagtt gtatctagtc 60  
 aagggtctgag agaccataca agtttcctag cgattttctaa ttatgtgggc cattaagtct 120  
 atcatatgct gacaatagcc gagaagccca tgaatttctt cgggggcgga gtaggtgtcc 180  
 gccatgcct tggccttggc taacaatcgg ngaagttcct gactcccggt caaggtaaga 240  
 gcaaaccgat ccatccacat ggttgctctt agcctctttn tccgcgtata cttgggcata 300  
 ctcgctccgag atcctatgcc cgtggggcgt ggctagacct aactcttctt ggtacttggc 360  
 gatgatagct agcatgttgg tctccgtctc gcataaacgc tgagacaagc ttctttt 417

<210> 6934  
 <211> 428  
 <212> DNA  
 <213> Glycine max  
 <400> 6934

ctaagctaga catacatatc tcttcttgat acactaatc aaataatcta tttcatggtc 60



taagtgattg acatttccat gatgctaate agaagctgcc atttttatat ccacgagata 480  
 ttactcctta tctttatggg gcatctctac g 511

<210> 6937  
 <211> 118  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6937

agcttggtggg ctgctgttct cgtagttccc gtgagcttgg tgttgtnntg aagtgaagg 60  
 gaagagtttt ggggaagaa aatgttcccc ctccaccctt atatattttc gtacaggg 118

<210> 6938  
 <211> 414  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6938

cagctcgccc aggcgagcac ggttgcttcc ttcagaagca acaaccttct ggaggaagga 60  
 tcttgaaggc ctaagtgggc cagattgcta ttcgtacccc cccttntac taaatgcacc 120  
 ctcatattatt tttttggtta ttcttttct gtaacgttac gaaactttac gaatttcgta 180  
 acgatactta ttttccttcc gcaagggtac gaatccttac ggattatgta tttactcttt 240  
 tttggctttc gaagaagtta cggaactca cggattgcgc aaaaacacct cttttcgatt 300  
 tccgccacat tacggaattt cacggatcgc gcaagcctgc ttgcttttga tttctgacac 360  
 gtctcgggtc ttcatttatt gtgcaacaca ggacgccaag tatctcaaag cagc 414

<210> 6939  
 <211> 180  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6939

ttttcatgtc acttttgatc acaacaatct ctctttaggt cacatttggc acaccctttg 60  
 acttctcctg aatctaagac tcttaagtat ctgttaacac taagtcactc ttggctntca 120

caaacaaata tgtttgaatg aacacaccaa ttcaatcact ccatagagta gataaacact 180

<210> 6940  
 <211> 446  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6940

agcttatgtn gtcttatgag aggtatttat tagcttgac agcttgctat ttaatataaa 60  
 tacatacata cttacacaca cataaacactg ttaggttgctc ttatgggatg tgccttata 120  
 atttattaat gttaaactga cgcgtcctct actctgactg gtcatttacc taattttata 180  
 cttgattctt tgcatactat aggctagaca cgggtgctctt ctccttaata ttctttcaaa 240  
 atactgcat ggtacttagt catcccttat atacggcttc ttatctcttc aactattaca 300  
 tctgttatcc aattncatta gtttcatatt catttatggg gatattctat ataactacct 360  
 tgcaaagatg atcatgtgat tataactata tgatttttca tattcatggt tctcatattc 420  
 attcattgga attccttaat attctt 446

<210> 6941  
 <211> 453  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6941

tactcattgn gaatccatgg gaacctaaat gctcgaagtc tttgtgcaat agnaaattcc 60  
 acaaaggcat tttaatgctt aagttaatga aaaaaatgca ttgtccagta tgtcacgatt 120  
 ttggatcatc ctacttgaac gtgtgtccct ttatatacat tgatatctta cattcaaata 180  
 tgaaaagttg tatcctttat tgaaataagt aaagttagaa aataaaatga ttttatctat 240  
 aaaaggataa aatcatgatt ttatcttggt atagaattaa agacaataaa ggtagttaag 300  
 ccatgatctt tagagatatg gggatataac taatatgatt ntggaatcaa tcttgattga 360  
 gaattcatca atgattatcg acccttcac tcttcattga agacatatga agtgacagtt 420  
 gacctgcaca aaacaatatg ggtagatgac atc 453

<210> 6942

<211> 343  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6942

agctntgaat tcattctatg tacccttatg ggtccattct tgctttgtat gccttcatct 60  
 tcattattct accgttgata ttctttttct ttgttttaag agagtttcaa ccaatcattt 120  
 aagccgtaat ctactttaat caatgttaaa atgaatttca actgatcatt tgtgttgtaa 180  
 tcttgtttta tcacctttta aataaaattc aaccaatcgt ttatgttgta acatcggtta 240  
 atcatcacia aggtaagttt caaccgggtca ttactttga aagttctctt ttatgagttg 300  
 aaaataacca agtgaaacca aagctaatat caactcacia atc 343

<210> 6943  
 <211> 301  
 <212> DNA  
 <213> Glycine max

<400> 6943

catataaaac aataacatat aggtatttct ttctaatact gattatataa gaattttatt 60  
 aaaatggcca cttgattggt ttgaagactt gataacaaaa ttattagaaa ttttatttaa 120  
 ggttctatct tattacattg gattccttag actattacat atggtagaag taataaatgg 180  
 ggactatcag gtataacact aagactgcaa caatgggtcct ccacgacatt tttctgcccc 240  
 aaaaagtttg aaggaataga ctgagcatgt ttgggtttacc gtcagagctc ttgcatatgc 300  
 t 301

<210> 6944  
 <211> 430  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6944

agcttgcttc tacaaaaaga atacacacac atgacctcta tttatagcct aagtgtcaca 60  
 ganaattgga ggggaaattg aatnttctat tcaaatttca cttgaattag aaattgaatt 120  
 tatggagcca aatttcggag ccaaatttc actaattatg attcgtgaat tttagctatg 180



gttcaacca ctagtccaag atcaagtcca agattctcca ctaagtgtgc ttaggtgtca 240  
 taagacatgt aaagcatgaa gtatatgcac aaagtgtgac tatatgatgt ggcaatggag 300  
 tgtagcanac aaatgctcac ctccccgtct aanattaatt agattgggct tcncaaattc 360  
 aattaattta tttccaacaa cacataaata ttcattaatg atgtganata caaactaccc 420  
 taaacaaact 430

<210> 6945  
 <211> 336  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6945

gatgttcaaa atcacccata acagaatgca cagattcacc aataatggaa tgctcaagat 60  
 gatcaaaagg tataaaatga tgcctaacta atctatgaaa tgtcctatct atctcaggat 120  
 caaaggggtg taagtcagat ggattgcctc tagtcataca ctacattcag catgcacaac 180  
 tagttgcctt gtcatgtaaa taaaggtgca ggtttgaact acagctaccc tcaagtgata 240  
 tccaaatgac tttgaaatth gtgagcaacc ttataaatg atgagaagat agcacancaa 300  
 aaattagaca aaaattcaaa gtctaactat gaaagc 336

<210> 6946  
 <211> 356  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6946

agcttcatga gagtgtgaag aacatctaga agaattttga ttctgctctt gtattcgaag 60  
 agaacggtga atccagcaat gaaggtaatt aattccagta cttcctagta cttctctttn 120  
 gtttctgaat ggattactct gatgtgctgt gcgtggatta ctatatgatc gagggaggta 180  
 gatgcacagt tcattaactg ctgtgagata atatgagtct tgaattgttg gatgggatgt 240  
 gtgttctcta tgtgggcaat tttcagattt gacactgatt ggagccatgt gctttttctt 300  
 gctgtatttc agaagcccga tcatggccta tacctgctga caggaaaacc ctatta 356

<210> 6947

<211> 399  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6947

agaatctacc tctcaaagt atttatcttg ctctctatnt gctaaaattc cccgagccct 60  
 cactacacac tctctacctt tgtttatata caactttcct ttcaattctg ttatgacaga 120  
 atattctccc ttggccctcc ttttcttcct attatagaca ttcttctatt aagagtatta 180  
 tatgcatttc taataagacg tctaaccac atgggtgaaa gtgatacaaa aaaataattc 240  
 tcttacaatc ggtagaggga caacagaaaa gagtgcgctc tgataatata cgctgaaaag 300  
 cacaattgtg catgttanga gttctaaaaa gttttgactt gagattcatg tgccaccacc 360  
 atgtacgaag tgagatacaa ttacacaaat cttattgct 399

<210> 6948  
 <211> 310  
 <212> DNA  
 <213> Glycine max

<400> 6948

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 gaaggtaagg agaatggaca tccacctcaa tggattgaac caaaggatg tcgttattcc 120  
 cgtattgaat gaaatttcaa ataaatacca tgtgttacct acaaatgaca aagcttaatt 180  
 gggatatttc atattgcacg tagagtcacg tacaagccgg agggatgag tgtggatatt 240  
 atgtcatgca ttggatgtgg tgcatagtca gcgacggact gaagaatgaa tggaacactg 300  
 tatgcatact 310

<210> 6949  
 <211> 440  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6949

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 gatctctcaa aaatgaaatt gtgtcttaat gtgcttactc ctttcataag ccacaagatt 120

ctttgcttaa tttacaaaga tgactcaaat gtaaatacatc aattgtatatt ggccatcatt 180  
 cttcaagtgt agctcctcta ataatgcttc aagccacaaa gctggacaat ctccataaga 240  
 gtttgcaatg aactatgctt catangacga gagtgaacc atgacgcaa agccttgctt 300  
 aacataaaaa catatcctct tgggctcttt ctgtctttnn tatcttcaaa ctaatcaaaa 360  
 tcaaatacct tctattntgt ctatccgcat catcttgaat gtttggaac aatagaccat 420  
 aatcaagcgt ggtctttatg 440

<210> 6950  
 <211> 372  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6950

gtcacctgcg gctgcagctt acccttactt gcaagaacca cttctcataa caacaacaca 60  
 cactttctctt gctatgtcca caacagtctc cttagtccat aagaaattca taatactggt 120  
 gtatctagtt cttttaaact ttggcatcan agactaggcc atcctaaciaa ggatgcacta 180  
 gaaattgact aaataaatgt aatataccct ttatcaataa aactaacagg ggatttttgt 240  
 aattcttgct ctatagccaa atctcaciaa ctacctctt ctccctcttt cactgggtat 300  
 actgcacctc ttgaatagta ttctttgatg tttggggccc tcttcagtag agtcatctta 360  
 tgggatctta ta 372

<210> 6951  
 <211> 402  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6951

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 attgtgataa tctctttctc tcgttttggg ggtgctactt gagttgcaa gcctcttcat 120  
 ctttgggcgt gttctttgaa agatccgtcc ccccttttgc acacgttctg tagttgcac 180  
 ctatccgaag ccatatcaga attgtactga caccgcctaa cgaaggcaac cattaggtcc 240  
 ttccaagaat ggactcaaga aggttcctaa gttagtatac caggcgacag ttgtcctagt 300

aagactttct cagcagtttc tcatcttttg cgtatgcccc catcttccga cagtacatct 360  
ttagatgggt ctcggagcga gtagtcccct cgtactcgtc ga 402

<210> 6952  
<211> 297  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6952

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gtngtaccca ttttcggcgc caatgtngct ttangaagtc agtggctaaa aatccttggg 120  
tcttgatata atcgactata acaccctttg cataccaatt ttctatgatg gttgtcttgt 180  
acaacttcag ggcgacaaag atttcactct gaccccgnt acgtcatctc aatttcgccc 240  
ggtgtcacgg atgaagacag tangattata ctggcatatc tccctcctcg cggagga 297

<210> 6953  
<211> 250  
<212> DNA  
<213> Glycine max  
  
<400> 6953

actagtactt tggtttctag ccgtgtatth ggctatatta tgacatttga accatttaat 60  
gatgcaatcc ttcctaggaa gggaccaatc actagaacca tgagccagag gctccaagaa 120  
gattgggcta gagctgctga agaaggccct atggttctca tgaaccttat gatagatttc 180  
tgagcccatg ggccaagggt ggtccaatt atctttgtac atattagact aggatgtcat 240  
tatatttggt 250

<210> 6954  
<211> 342  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6954

gcgtttatgc gagacggaga ctctcatgct atctatcacc gccaaagtacc aagaagagtt 60  
aggtctagcc acggcccacg agcataaaat cgcagatgag tatgctcaag tatatgcgga 120

acaagaggct agaggaaggg tgatcgactc ttacaccaa gaggcaaca tgtggatgga 180  
 ccggcttgct cttaccttga acgggagtc agaacttccc ttgttgntag ccaaggccaa 240  
 ggcgatggca gacacctact ccacccccga agagaatcat gggcttctcg gctatcgtea 300  
 gcatatgata gactttatgg cccacataat tagaaaatcg ta 342

<210> 6955  
 <211> 467  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6955

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 tcacctgacg aagacacttg aaaaaactta tctnctcctt cttggacaaa gtatggcaag 120  
 ctggggggcaa gtaacttttc ttcccatcag accttggatg caactgtgat cttataccca 180  
 tatcagctag atcttgacgg gtattcaagc catccttcgt cttgccttga atggtaagga 240  
 gcgteccaat cacactgtca caaacatttt tctccacatg cataacatca atacaatgtc 300  
 taacgtcaag atcacaccag tacggaagat caaagaaaat ggacctcttc ttccatatgc 360  
 aactctgact ttatccttc ttttgggtct tcccaaatac agtggttcagg tgttgaaccc 420  
 gctgatatac ctgctcacca gtcaacggta tgcagcgaat atcatgc 467

<210> 6956  
 <211> 208  
 <212> DNA  
 <213> Glycine max  
 <400> 6956

ttccagcatc tegtatatatt actggactca atccgacatc ccagtaataa ttattgccgc 60  
 ttgaataggc tcagaggggc aacattcatc tatgagcgtc tgcatatatt atgggactca 120  
 atcacacatc ccagtaaaaa gttatcgctg tttaaattgg cacataggtt caacattcaa 180  
 tttcgaccgt ctgcatatat tacgggac 208

<210> 6957  
 <211> 417  
 <212> DNA  
 <213> Glycine max



gaaaatgaat tcgtggctac ttcatgcact cctctaata ga caatagcatc atttctggca 240  
 ctaaattgct gggagtttga agccatcttc tcaattaaat ttctggcttc agcaagggtc 300  
 atgtctccaa gggctccacc actggcagca ccaatcatac ttctcttcat gttactgagt 360  
 ccttcataaa aatattggag aagaagctgc tcaaaaatct ggtggtgacg ggcactggca 420  
 catangtttt tacatctctt ccagtattca tat 453

<210> 6960  
 <211> 351  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6960

agcttgcttg tggngcttct atggaggctg gatctttgtg cttcaatgag gtcctttaat 60  
 ggtgattctc caccatggag atgcagcgga agacaaagga gaagagggtga gaagaggctt 120  
 catccactaa ggaataagcc atggaagaat gagcttcacc accaagatga gccttggata 180  
 agaagcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa gagagagggg 240  
 ggagcacgaa attgaatgaa gaaaaaggga gagaagttga acttngagtt gtgtctcaca 300  
 agactctcat tcatcaaagt tacaacaagt gttacacatg cttctattta t 351

<210> 6961  
 <211> 401  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6961

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 gactntgaat ttttgtatga aattttttgt gctatcttct cattatttta taaagggtgct 120  
 cacaaaattt caagtcattt ggatatcatt tgagggtagc tgtagttcaa acctacacct 180  
 ttattttacat gacaaggcaa ctagttgtgt gcatgctgaa tgtagtgtat gactagaggc 240  
 aatccatctg acttacaacc ctttgatcct gagatagata ggacatttca cagattagtt 300  
 aggcattcatt ttataccttt tgatcattct gagcattcca taactgggtga atctgtgcat 360  
 tctgttattg gtgattntga acatcctgat cttgagcatt a 401

<210> 6962  
 <211> 452  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6962

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 attggcctat gacaaataac agtagctcta ggatctgtct caatgatata ctcgttggct 120  
 tccacaagag atgcttcaat gattgactga agcatggctt cttcaaaagc ttccttttca 180  
 ggagggccat gtctttagga gtagcggcaa cttctatctt tgcttgtctt taagcaagat 240  
 ctagaaaaaa gaattgtgct gcaagtcttg cttcaaattg agctcactct agttcttcca 300  
 tctaagcatt cttcatctct ggtttaaatt atgcatgtat tgattcaaca atgacagatt 360  
 ttggcactac cttcaatata taagacatcg tctgtggagg ctaaaaaggg gatatcaatt 420  
 ntacctattn cattaatctt tcccttacct at 452

<210> 6963  
 <211> 410  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6963

ngaatctgta caagttcatc anggatgggc tttgttttag aaacagaagg ctnctttact 60  
 tcggcagctt tagttttctt agttaacctt gcatggagat ctcgcacaga agtacccttg 120  
 gctactttct ccaatagttc attccgagct gcttcatatt ctttctaaca taattaatac 180  
 gagtaaaata tatcaagcta atgtcgaatt ccggcttaat aggagtggga aggatcctag 240  
 aatcaactta gatgcggatt atgagtggga atatcaataa acctagagaa tacatacaca 300  
 tagcattaat aggagattgc aaagactaaa ctttttcaga ggtagttatg gcaagcataa 360  
 tcaagaaaca ttaccctcga tacattcaga anaatagaat tgatatattc 410

<210> 6964  
 <211> 424  
 <212> DNA  
 <213> Glycine max



<223> unsure at all n locations  
<400> 6964

agctngatca aaacaattat ctaatcattc caatccactc aaatcatata attgttcatt 60  
caaatcattc tcaaacactc atttcatata aaacaatcca ttgcatatca ttntcaatca 120  
tttcattggt caaacaagct ttttgggtaca agcaaacaac tcanagtgtt gaaatttaaa 180  
taactggaat ttaaagaatt gaaatgtaaa aactgaaatt aaaatgactg aacataaatc 240  
ataaaataat tgaaaataaa ataaactaaa aatgttcaag atgcactaat ttatatgtcc 300  
tgctcttggg ggtgggtcttg tgcattgtca ttaagggtcca acacctgagc aattgggtgaa 360  
tcctgagaga taggctgtcc taacttagat gctgggtgcag atgggtatggc atcatcaggt 420  
atgg 424

<210> 6965  
<211> 355  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6965

ctaagctatc ctatgctngc ctccgactta cccccgtgca cctcgaagat taagcagccc 60  
ctactttcag ggcactccac ttatgacact aatccggcag acatgaggaa gaatactatt 120  
tgccccctgc tcacctaaaa atcgtcccc atgaactacc caccgacata atcgcatatc 180  
cggtttacca cactgtaaag aatttgtcct tccagagata agggaagatg agcgcttgag 240  
agaggtaaga cagtcggggc cttggaatta cccatcttcg atttggcgat tatctctatg 300  
ccaacatcgc atccttccaa gtcaagtcca gacttgatag tacaaggaca catgt 355

<210> 6966  
<211> 286  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6966

agcnnnnnn cctgccacac acggttatta ttatnnnnnn tctactcgat gagaaagaaa 60  
aaacaagagc taaacattaa taaatacca aactgcatg ttcttattta ttctcaagat 120  
cgaccctcgt tcatgcgac atgtctgttc ttcatttata tttttctttt ccattgccat 180

gctttctctc tttatatatt atttgtctgc ttatttataa tttttgcagc gtcttagaaa 240  
 ctttagatat cgcgcagggt tcaatgtag tattctgggt agatct 286

<210> 6967  
 <211> 360  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6967

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 aaaccaaagc acaaatacag ttaaaaagat attgtaatag aacgaaacaa aaagaagtat 120  
 taagttttcg caatctctag aatacaaaaag ccatctatcc tacccaaaga ccagatatct 180  
 gacttagagc catacggat atcagcaaga agctctgggc acatataact tggagtgcc 240  
 acaacctaag ttttagagcaa gaacaaatag ctcatattt ccccaaaaaa tgttgaaaca 300  
 gtgtacataa cagaactttg gtaatatcac tcaccgacga agcaagatca tcagatgaca 360

.  
 <210> 6968  
 <211> 440  
 <212> DNA  
 <213> Glycine max  
 <400> 6968

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 aattcttcac ggataacgct acggaaacgt ttcggaagcg cctcggctta gattctgctg 120  
 actgacacaa tttcttctg ctaactcgac agagagggaa gcgcctaagg ggcttgaccc 180  
 gtttatgcat cactctctga cctatctata gcaaaatacg ggagacgggt gctcgccggc 240  
 tcgaccaggc gagccacgtg ctttctcct ttggaggaac tttctggaag gtccaagagg 300  
 gcctggttgc tattagcccc ctcatctaca acgaacaccc cgtccgatat tctttggaga 360  
 atctttcttg aaacagcacg aagcttcgaa ttttaacaaa ctggtttctc ctggttggtc 420  
 acaagctgcg atacgtcacc 440

<210> 6969  
 <211> 362  
 <212> DNA

<213> Glycine max

<400> 6969

tctaaacctt gtacaagaat gaagctctga taccacttgt tatataagtg gcctcaaata 60  
tcctaagaac ggcggggggt gcagtaagat attccaaact gtttccccta atttaaaaat 120  
tattttactt tttactcaag gtattaatct cctcaatgac aatcgtctta aatatgaact 180  
caaaccaaac caccttgata tgaatatata gcaaacataa ataaacgaga ttaacggaaa 240  
agaaaatgca aacctcagtt tatactgggt cggtcacacc cttgtgccta cgtccagtct 300  
ccaatgcaac cgcttgagaa gtccactaac ttgttaattc cttttacaag ttctacacac 360  
ac 362

<210> 6970

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6970

agcttccana taatttcggt aactctctat aatacttcta gaggaaagtg agatccataa 60  
attttcattg tttgggactt ggatgcatta gccgtgttta gtctaacata ctaagtgaag 120  
tttatgaaga aatataagaa acgaatctac cataatgttg ttaatgcatg ttcttttatg 180  
gccaaatgga aaattgctaa tgcattgtat acgtactact aatgggttctt tagttctact 240  
ctgttntgat tctcattacc tataagtgtc atcatattat ctgaattcaa ttacctttc 300  
tctgttatgg tagggaattc ccgttttcac agatccaata gctccatgta acatcagggt 360  
tgatgact 368

<210> 6971

<211> 345

<212> DNA

<213> Glycine max

<400> 6971

tgtagagtgt ccatgttatg ttcttagaat tcaaggacta ggagacctcc agaaaaaagg 60  
ggattaagga gagcaaattt attgattggt attgcttgca tttctattac aatgattgtc 120  
catttataag caccaaatac ttattctagt tccttctaca agtcctacga gggaggctaa 180

caataatgga ttttggaat atcctaataag aaagatatat tccagcagac agaataatcct 240  
aattgtccat gttatgttcc ttttagtgct tgtctccttc ttacctgcta gcaattcttc 300  
tgtgttggtt gcctcatcat aacatttctt ggcccatcaa aaaca 345

<210> 6972  
<211> 406  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6972

agcttattga tttgtcatga attgaaccct gaactttaaa tgagtatctn ctaaatacct 60  
tggttagatt ctaggagatt atatgggtcc aggaaaattt actctaaaat tgggggaaga 120  
aagtcaatta taatgaaaag aaaaagggtta agcatcaaca cacacaacaa ataagttgta 180  
tgttaaaaaa aataagttgt gttgtacaaa aaggctgaaa gtaacttaag aaaagggaat 240  
agtgagaagg ctatttgtag aaaacaagaa aagatcattg ngattagtct aggacttgtag 300  
ctctcttaga atctaaactt tcgaatccta gaagaaccag tgaaaaattt tgtagccaca 360  
acctcactac aagcctgaga aagccttctg atctattata tatttc 406

<210> 6973  
<211> 451  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6973

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gtagaggagc ataaaccaca gagtctggcg acaggtgcat atttttgatt catggccagt 120  
tgggttacca ggttaaccaa gacatctagt ttaccttcaa gcttcttagt ctcggctgat 180  
gaagatgaat ttgtggctac gtcatgcact tctotaatga caatagcatc acttttggca 240  
ctaaattgct gggagtttaa agccatcttt tcaattaaat ntctggcttc agcaggggtc 300  
atgtctccaa gggctccacc actggcagca tctatcatac ttctcttcat gttactgagt 360  
ccttcataaa aatattggag gagaaagcct gtcagaaatt ggtggtgagg acaacttgca 420  
catagtttct taaatctctc ccagtattca t 451



<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6976

agcttctact tatgtggcan ggcgggcttc ctttaccttc ttgtctacaa cgtgaactnt 60  
 gaccattggt cttccttccc gcgatgcttc tttcatgta cgcctgagtg ggcttatagc 120  
 ctaaaccata cttgccacga tttccttggg tatttatcag gctagttatg ccgccgttgt 180  
 tttttcctaa acccatcccg ggttcataac cgttcccaa cataactcgg gccatcatta 240  
 ccgctgcacg ggacagacaa tgctgccccaa agaggagtc cacggaggaa atgctgacca 300  
 cctcaaaaga ctggaaagca gtttctgacg attcttc 337

<210> 6977  
 <211> 444  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6977

agaggattga tggngaccn gtgtngagag aaacgaagat atgggctacg tgggaatacg 60  
 tgagccta at tggaggtggg ccacnaggga tgggtgggttt attgcgcgca ttgtggattg 120  
 tggaaaagct tgtgtgcacc attcggcga cgcacctag tacgacatgt gatgggtacc 180  
 ccataatcct accaacttga gatgaggaag tgttgaacgg tgaaacttcc tgcttttatt 240  
 gttgaccaca aaatggtacc tggagatatg tcgcggcggt catgatacct ttnggacgtc 300  
 atgtggggcg cttatccac aaccaagctt accaatccac accaaccggg catatttgtc 360  
 tattaaactc ttactactct actaggcact tctgctttca ctctataagt acccaccct 420  
 ctcgccgagt ctgcgcgacg cccg 444

<210> 6978  
 <211> 313  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6978

tacacttctt tcagagaaag gagcttaaca ttttcttctc aaaaactgaa aataacacta 60

ctaagtcttc aatctgtact taatgatgct gaggagaaaa aaatcactaa tcctgctatc 120  
aaggaatggg tggatgagct cacacacact ctctatgacg ctgatgagtt gttagatgag 180  
atcaacaccg agacattgtg atgcaaagtg gaagttgtga cctaaagtca acccattggc 240  
gattaggcgc caaacgtgct ttcttattct ttcanaaggg tttatggggc catcaattat 300  
gagatacaaa gct 313

<210> 6979  
<211> 463  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6979

taacaatcag tgtcatacta tngatcaaaa canagcaggt attaatatgc catactagac 60  
tcaaaatatg ccacaaacac tagacctaaa tcagtgtcac agaaattgga agaaaatatt 120  
ttatccaagc acaaacttca agccttattc catgtattgg ggggaagtta tggctggcca 180  
tatgggtaga ggtgtcataa aggagcaagt atggaggaag ggaccttgga ctgctgaaga 240  
ggacaagttg cttgttgagt atgtcagggt gcatggtgaa ggcagatgga actctgttgc 300  
tangcttgca agtaagaaac accaaaacttt tttcactggt ttgtttctta atatatatga 360  
ttcggatttg acatttataa gtgacaatat agcacaaaaa caactgaaat ngttttcaac 420  
ttctactggt catngtggct acattcatgt tcacccgaag etc 463

<210> 6980  
<211> 390  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6980

agctntanaa agttnggggt tctaagctgg aattacattt gtgcacctat ttngattttc 60  
catgcccgt ncacatacat aanacagccc caccatccc aatttttgca aatcatgttc 120  
atatacatn ggngcatttc atcgagcact cggtgggcgc acgtntagac aaaaattgca 180  
agagaatggg agcaatgtgg catgccccat tgtttcagaa tacaacctan gcctaaggcc 240  
ttttcattca tatectcaat tcaagaagac aagcaccaaa gcaaaccaac actgccttac 300

aaatataagc atgttctcac aattcgaggc accaaaagat gaagaaagca catcaatgga 360  
naacaaaaac atcaagtatg ggacacttac 390

<210> 6981  
<211> 450  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6981

tctactaact taagagatac atgcagggca cactgatcat tatattatta ttagacttgg 60  
ttggcttaaa aaatagcata gaaaaattga ctttttctct tctcattgag atgacctctc 120  
tctcctagct aggggttcct tccttggttag ccttgtataa gcttcttcta cgtgtgaaac 180  
actatTTTTT ttttTgtgtt ttgtttgggt cctccatgga tccccTggcc tacttgagaa 240  
cttatccatt gaagaaaaca ttctagagac actaattcca gaagatgcca ttgcggatga 300  
tggtcccaat ctatctcttt atctcgttgg acgttnttta tgaaaagaac catcagaagt 360  
tcctcatatg aaggagagga tggttgaagt ctagcaccca ccattagaga ggtagatcaa 420  
gggatttttc tctttgaatt ctctcatcat 450

<210> 6982  
<211> 345  
<212> DNA  
<213> Glycine max  
  
<400> 6982

agctaactaa tcaaTggga caattggcta ctcaTttaa tcaacagcag ccccagaatt 60  
ctgacagatt accttctcaa tctgtctaga atccccaaaa tgggagttcc attacattga 120  
gatcgggaaa gcaatgtcaa agacctcaac cagcaacatc ttcctcatct gcaaatgaac 180  
ctgcccAacc tcaTctact ccagaaaaag atgatgacaa aaatttAaag agtaagttac 240  
ctaacaattt ctatgaaggT gaatcttcca cttgtaattc tgatttAcaa aagcagcata 300  
tccctcttcc attcccttca agaagcaatt ccaacaaaaa aatgg 345

<210> 6983  
<211> 455  
<212> DNA  
<213> Glycine max



[illegible]

<210>	6984
<211>	331
<212>	DNA
<213>	Glycine max

<210>	6985
<211>	442
<212>	DNA
<213>	Glycine max

tgtttctcca	cctcatgatg	attatgatta	tgacttctat	agaaaacatg	gtgatattcc	60
aagccctggg	gttggtcatt	aagggtgagta	tcgatctatt	gatgatattt	ttgatagacc	120
tattgcttct	taattaattg	acatatgtat	tttcataaga	tacagtttgt	tccttttttc	180

cttttagatt ttgtttcttc aatgttctgt tggccatttt gtgatactgt tcttggttctt 240  
 cgtagatttg gctatgattg tgattatggt tttggggacc aaaacttgcc tattgggtcaa 300  
 ataccgtgcc gaagacgatg atgtgagaga tgtntatat ggatcgtggg cattttagtt 360  
 gttggttagt ggttatatga catacaaaat tgaggataag ataaatcgaa tttataaaga 420  
 ttcgtttatt tatatagtga gg 442

<210> 6986  
 <211> 283  
 <212> DNA  
 <213> Glycine max

<400> 6986

gctgcaagat atgaccattt catgttcaca gcattctaac atttctaac actttcagtt 60  
 gcttccaaga tttcgttgta tgcttctttt acttaccga ccaaaacttc cctgggttatt 120  
 caattaaaca gggttaaaga caacttcttt cgatgggaaa attgttgaaa atcattcatc 180  
 atcaacttaa tgatgcattg taccaaagta tatggaaaat attaaagtct aattgtgctc 240  
 acctgtctgg cttgaaaact atgttcttat atacaaacca act 283

<210> 6987  
 <211> 357  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6987

ntgacagttt ccncgtttat tggggaaaca ataatagacg catagctatg gtctaagaan 60  
 aacgaactgt aagagctggt tgaaattaac acagccgcga caacatttgc atcaatcagc 120  
 ttagcccgct gaacatcaat gatagttcca ttcttgtctt cacacaccac aatcttgctt 180  
 ttcaccttgg ctagtctctt cacgttgctg cacaagccca tgaaaacaat tggaacattg 240  
 ctggaagaga agtttcatga tagagagaca tgccagttat ttggacacca ttgccaagtg 300  
 taagagtacc atgaaattca cggccaagg tgccagcagc cacggttatg acccatg 357

<210> 6988  
 <211> 176  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6988

agctntatac acaaaagtta gtcataattca ccgactaaca actcncccaa atgtatagtt 60  
gtgggttgctc tcaagcaaaa agagaacagt tcaacttcgcc tctagtgcaca acaacatgca 120  
ttgactatgc tcaaaagagt atgctacata agttcctgat tgcattgatga gagaat 176

<210> 6989

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6989

tgaccaatcc cgaccaacc cggcatagtc ggtcagtgag aatcttgtga tgtacctaaa 60  
cangcgaagc tctggcaagt cacagatnan aaggaaacca gaccaccaag caaggaggct 120  
tgtggtggct ggccaactgt gaattttgtg taatatgtgg attggggcct ctggtaatcg 180  
attaccaacg gtgggtaatc gattacaagg cttaaaattg aggacaggag gctaagatgg 240  
tctctggtaa tcgattacca angngtgtaa tcgattacca agcttgaaaa cgaagtcagg 300  
aaacttatgg agcctctggt aatctattac cancctgtgt aatctattac acagaagaat 360  
gggtcactgg taa 373

<210> 6990

<211> 344

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6990

agctntgccca catgctgaac ccatattatg catattaatt acactcaata agaatttcag 60  
tacaaaatgg caaaagcaga cttttctcat gctatatgat tgtacctgag gttaacctag 120  
acatagtttg attattgatt tctgcattct ttgattcttc atagctgaga tgttatgccca 180  
aagaattagc agaatcataa atgatcaatt caaataatca tagttaatgg gtgaactgta 240  
ctttattcga tcagtgaaca tagcttcttc tttcagagta agctctgcag tcagagaaaa 300  
ttctgcaaga ataacatgta atgggtttta taatgtggaa cttt 344

<210> 6991  
 <211> 451  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6991

tataagaaca aaattgcctc aatcattttc aaatatgcat gtgaattang aagcatcaac 60  
 aagaatcaag cccaggctat tgtgcaagcc atcaatgggg caaaacacac caaatgatta 120  
 tgatgatgga tggctcaaat tctcaciaag gtaaactcat cactttcaaa ttgagctttc 180  
 aaaactatca tgacatgtag aggagaatca aagatttcaa gtcacaaaat gtcaaaaact 240  
 tttattttca aaacaattac ccatttcttg aacatatacct ataattcaaa gaaaaacatg 300  
 caaagtagta catgcgccac ggaatggccc aaaatattaa actaaaaatc cgacgaaact 360  
 aacaacatta acaaattaac acaactgaca nattaacaaa accaacaaaa ctagcaaaac 420  
 caaagaacac tttcccccac acttaaacaa c 451

<210> 6992  
 <211> 524  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6992

cgcgcgacac ggggggtcaa nactgtgtaa ctcttgaanc ccttctgaat tcgcccgcctc 60  
 ttgacaactc agctctccat ttattatata ggaccagatt gagagggtgt ttatttgatc 120  
 attgacatgg ctagaaaaaa ccaaccccaa cacgaagaag aagaaaaagg actacccttc 180  
 cttatattaa ttagacacta caagactaaa ccacacagta tacaatcaac gagaaaattg 240  
 aaagatagca cttacgtttg cgctccaca tgccatatca gctacttggt ctctcggag 300  
 atacgcttat cttctcttcc ttgggtcca tatgcttctc ctttttcttc agaaccatct 360  
 cccgctgctc gatccatgac gataacttct tctctccaa tacctacttc tcctttgtaa 420  
 ccgctcttc accaaggcag ggaccacagc cgcttggtgt ccactctagt tatacctctt 480  
 gtaaacgcta ataattgatt tcgaaaccca aataanccaa atct 524

<210> 6993  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<400> 6993

agcttgaaca ttcatacatt aaggagaagc atgatagaat ccaagagaaa taccactcag 60  
 tgaaacacaa tgctgataga gtctatcatt ttcttagcca aggtcttgta ttgagtctta 120  
 ctttattaga aaagctctct ttgaagtgtga gaatctataa ttctttaaat ggggttgctta 180  
 tgaaagctag gagtcactta gtgacaaaac aatacttgaa tgttcttaag ttcaaggcga 240  
 gtct 244

<210> 6994  
 <211> 370  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6994

tgatcaanac anacatctaa tcattccagt ccaactcaatt catacanttt ctcattcaag 60  
 tcattcaciaa acacttcatt cataagaaat cacaccactg aatatcataa tcaataagtt 120  
 cactgttcaa acatgctttt gtacaagcta tcaacacttc aacaacaaaa atttaaaaga 180  
 ctaaaattta aagactaata aagcataaac aaataattga catgaactaa ataattgata 240  
 aaagaaaacta ttcataattt gcaaaaattt aaaaactatg tagaatttaa aactcatgat 300  
 catcctactg ctgatcttct gcatgctcgt tcagatccag cattggagca gctgggtggat 360  
 cctgtgaact 370

<210> 6995  
 <211> 450  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6995

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 ataacctcat tcgagaaaga ttctagaana gttacttggg gaatgtggaa ggggtacaatt 120  
 tcgtaagaaa tgggatgggt gcttgggatac atgacatagc ttatagctat gaaggagtta 180

agggaatata agggctatta agccttgtag ataaagaagc atgatctggg ggggtgataga 240  
 aataaatatc ttttaccagt ttctagtgcc taattctcan natatttaat catcaaactc 300  
 taaatggctg agattcaatt tattgggtgga tgaagttttc tacttgaaac acaatacaca 360  
 atttctactc actactttta gtacctgtct ctagtaaagc agtaataggc aggagtactt 420  
 tagcacaatc taaggatgaat cataaactat 450

<210> 6996  
 <211> 441  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6996

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 ttgatgaatg aaaagtttgt gaaacaccac ttaaagggtc acttctcttc ctttttcttt 120  
 cttcaatttc gtgctctccc tctctcttcc tcttctcttc tctttttctt cattgaaagc 180  
 atcctctcaa gcttcttctc caacgctcat cttgggtggg aagctccttc ttccattgct 240  
 tattccttaa tggatgggag cctctctcac ctcttttctt ttgtcttctt ctggcatctc 300  
 atgggtggaaa atcatcatta aaggacccca ttgaagctca aagatccagn tctcatagaa 360  
 ngcccacaag caagttttca tcaccttggtg aaaagacagt gatgagggtca ttttacttca 420  
 ttctcttctc atgcaatcag t 441

<210> 6997  
 <211> 433  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6997

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 ttccatttca tgttctctata actttctaaa caaagtagca agagacatng ctagataatc 120  
 tegtgattta ataacggctg ttaccttggg ttgccattcc ctgcttaagc atctcttgac 180  
 atcccagtgt gccttcatgg gttacttgta atgtatccca catttctttt gcatttttac 240  
 aatttgagaa ctctaaatat tcattcatgc canatgcaga agtganntat attttggcct 300

ttanatngta ttgaaccttt cttatttcat catcatccca ttcttctcta nggttttcta 360  
 tangtgcatt tccactacc attgtangaa tgaagggacc aaattcaatg gcttcccata 420  
 tatttaaadc tat 433

<210> 6998  
 <211> 443  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6998

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 aaggggccac ttccctttt tactgtgacc cacactcaac cacaaaagtg agaaaaatct 120  
 gacctttgaa acgctaaaat catgcctcgg ttgcggtgcc cgttctctgg ttccagttcc 180  
 tcgcttttct ctgctccgt cggggccagt ttctgaaagc aagcaatata tatatcaaaa 240  
 cgctcagaat aaaaccctga gcgtgggttca gaggttggtt ntgttaaatt ctaagtcgca 300  
 cgcaaaacga tgatttttaa ctaattaatt aagaaataac ccantaacct ccagttatgg 360  
 atttctcttn ctttaattagc ctaaccctg tattttgccc ccactattcc tacttctacc 420  
 aagaacatat aggcataac act 443

<210> 6999  
 <211> 282  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6999

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 ttccctttc cttgttntga agctcactac aagccttaag tgaaaaacca tgatattacc 120  
 atatccttaa gggaatttgg agctttggaa ttgttttggg aataagtgtg gggggttttt 180  
 gtttcattgg acaacttggt ttgttgacta tgcttcatga tgtattttgc gccatacttg 240  
 atgtacattg tatattggct aaatgggtga catgctgaat ga 282

<210> 7000  
 <211> 469

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7000

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 gctgangaaa aaaggttcaa catctttggc actcaggatt cactaaaaat aagtgaggaa 120  
 aagaagaaag aaggaaaaaa tcccagctga gacgctttca taatgaattc atgacattgt 180  
 tgtgatcaat tacgctaata gtcttcacca ttctttgcct ttcttcgttc gntcttcac 240  
 gttcatcgat cttcaaccgg ttagttttcg atttcgaagc tntgaattca ttatatgcac 300  
 ccttaggggt ccattcttgc tttgtatgtt ttcattctca tctcgtttac tttcggtatt 360  
 cttttcttcg ttntaaacga gtttcgactg atcgtntaag ccgtaacctc aatgaatgat 420  
 aaaatgaatt tcaattgatc atttgtgttg gaatggttgt taatcatcg 469

<210> 7001  
 <211> 357  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7001

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 ggtgattntc caccatggag gtgcaacgga agacaaagga aaagagggtga gaggaggcgc 120  
 catccattaa ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180  
 agaagcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa gagagagggg 240  
 ggagcacgat attgaaggaa taaaagaggg agagaagtgg aactttgaag tatgtctcac 300  
 aagactctca ttcacatag ttacaacaag tgttacacat gcttctattt ataaact 357

<210> 7002  
 <211> 471  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7002

cttcaccttt ggtcctcttc atagttggtg catgagaaaa cattctctat tttcatctcc 60



cactccaagt aggcctccga atcggtcttt cctttaaagg gaggaatgct gagtttaata 120  
 ccatcaattc gggtttgtct aggaaaacca tcattccctc ttctcctcct ttcttcttca 180  
 ttatgatctc tgttcacat ttgatccaac ctctcatgga gcgcattcat tcgttggttc 240  
 attaacctct ccaaagtgtg catcaaagct tgcattagga attgtgaaag cccccctcca 300  
 tcattangat ttgttctgt catctcaaac aaacaaatca natgtaacaa gacaattata 360  
 gttgtgtttt gaatacctta nacaaatcan acgtaacaag acaattatag ttgttggttcg 420  
 aatacctcac ccaactcaagt gtatcacacn aatatggctt ttctctaata a 471

<210> 7003  
 <211> 361  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7003

cgaaatgcag atattgtttc atttcggaag agtgcgcaac caaaaagtac agtctttcca 60  
 tgactattca taccacaaaa aattccaaat ggcacttcat aagaattgac cttgtgtgta 120  
 gtatcaaata caacaacatc accatattnt tgggtgcccat cagagctaga agtatgagac 180  
 caaaaaatat gctctcacct tctctcttca tcacgtggat atgcatactg gaaattatag 240  
 ccacttcttt ttgcatectc accgtacttg agaagatctt ggcatcattt ctttactta 300  
 tttttggttt cacaaaaaat acgaatgccc tttcataaat ggaaatacca tgcttacatt 360  
 t 361

<210> 7004  
 <211> 378  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7004

ctgagaaacg ctgatcatgt taaagggttc attttcaatc atatttttat cttctcttaa 60  
 cttagctctt tcattttatt ttatttttaa aaaaactttg gaaaacttta cgggtgtatta 120  
 ttttattgct attcatggaa gtggaagtat ggtccctcat attttgtaat atgaatatgt 180  
 ccttacctta cctgaagaat atccacactg ccatttccat tatctctgaa tgacttttat 240

attgctccgt tttctttcca agtaacgagt aaacatagct ntgatgcata aatatgttga 300  
 ttgaattgac tccaaagttc caaatttgac catgaattgc aatgtacgta atanggataa 360  
 acttaaatta actaatcc 378

<210> 7005  
 <211> 423  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7005

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 aaaataatca atctttatat tgtgtnnttc ttgtcagatc tcattccaag tgaatttacc 120  
 catgttatta cggatgcaca tgtttaccac aatcatgtga ggccttngca ggagaagctc 180  
 cataaccagc caaaaccttt tccagtatgt gtaatgttta gcacttcttt tactttatat 240  
 tgtgactctt ttacttggtg accccctaata ctacttcttg tagactttgg agatcaatcc 300  
 caaaatgaga gatatagatt cttttgtggc tgttgatttc aagctcatag gctatgatcc 360  
 tcaccagaag attgacatga agctggetgt ctaaaatctg gggattctca ctccctcgaa 420  
 ctg 423

<210> 7006  
 <211> 448  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7006

ntgattnnnt tanactntnt aactanaga gaaatcatat gacaattntg aagaagaaca 60  
 tcatagggca taccctcttc atcgtctgat gaagtacaag aagtattaga tttagaataa 120  
 gttttacctc gaccttatca tttgtatctg ccatgagata gatgttggct tggatcatcat 180  
 ctgaactatt acttttctca ttgtttgagt catctcaagt gatcatcacg cttttctttt 240  
 tcttgcccc aaaatatctc ttttttagtt ggggacattc atccttcaag tgtccaggtt 300  
 ttctatattc aaagcagatg atctcattgc ttttctcctt ggtcttcttt ntgaatctag 360  
 aatcctttcg tctgtagcag gggtggaaat tcccttcttc tttgaattct gatactgggg 420

acagatgtcg acaggatgtc acgacatc

448

<210> 7007  
<211> 289  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7007

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tgtactcaaa tacgtggggc aatattgggt tgttttcttg cttggatggg ttgaattgag 120  
gatttgtatg agatgaccct atgcctataa tgcatttttg agcaatgggg catgccgcat 180  
tgtccccatt ctcttgctat taatgcctaa atgtgcgccc accaagtgtt tgggtgaaatg 240  
cctcaatggc attngcgcgcat gattctgtan ggatacaacc tatgggaca 289

<210> 7008  
<211> 405  
<212> DNA  
<213> Glycine max  
  
<400> 7008

tttgctgatt agttttcgcc gatgaaagga tcgaagtggg tctaataaga cgcaaactctg 60  
atcatcatgt ttgataatac caaaaaacct aggccaatga agatggtgag aattaaggag 120  
aaaccattg tgtgacttgc attcctatac aggccaagtt tccaccaacc caacaatgtc 180  
attactcagc ccataacaaa ctttcttctt acccaccacc cagttatcca taaaggccaa 240  
tcctaaatca accacaaagc ctgtctaccg cactttcaat gacgaacacc acctttagca 300  
caaacaaaa caccaaccaa gaaatgaatt ttgcagcgaa aaagcctgta gaattcaccg 360  
caattccgtg tcctatgctt gacttgctcc atatctactt gataa 405

<210> 7009  
<211> 363  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7009

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tatataaaag agaggttcat acaaaaagaa ggaaaaccaa aaaccagaat tgtacagctt 120  
gctgaaagca acacagatca atactctctt ataactaaca cgaagacagg aatacaccac 180  
taacataaga taacaagctt gcaaaacttn taacttttca gatacaacat ataaataaac 240  
cctagatatg taaacactca gaagagatcg agaaaagaaa cccacatcaa ttaaggaaaa 300  
tagtttacia aaagagcatg cactaaaaag ctattaataa agtagatcga ctagtcaa at 360  
taa 363

<210> 7010  
<211> 409  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7010

tncgctnttg gtgaataata agaaaaaagt catctatcca aaattatcac actcctttct 60  
tcatccaaca atgaattggc ctatttaagg aagatgatac acagcattat tgcacatctc 120  
tgtagaagca gccactatag taaacaatct tctctatcta aatggagatt tgttctaaat 180  
tacctaaatg ccactgccat tggagttctt tctataacc tcttcttttt gtttttgtat 240  
aatcccttca aatttgcatt atgtaaaaaa gaggtctcca aagttgcagg tgcattggcca 300  
atacttggtc acctaccact attgagtggt tcagagacac ctgatagggt tttgggtgct 360  
ttggctgata agtatggacc catattcacc atcaactatg gtgtcaaaa 409

<210> 7011  
<211> 341  
<212> DNA  
<213> Glycine max  
<400> 7011

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atcttcaact tacctatttg gaagtgcacat catggcagct agggcccgagc ttttcattgt 120  
ggattcagtc acaaaaccaa cttcattatg ttggactatc tagcacgggg agtttcgatt 180  
ctattccac acagatgtgg gaagcacttt ctacggtttt gaggtaaac ctctctcgta 240  
atcatattct tggagagact gggactacat taaagaattc aatatctatt ccaactattg 300  
atctaagctc atatcacttg tgtggaaatt accctatctt t 341

<210> 7012  
 <211> 305  
 <212> DNA  
 <213> Glycine max

<400> 7012

taaggcaatg aaatatacaa tatacctaaa tatectcttc ttctacagct agttctccct 60  
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 agctgaacat gcagacaccc catatgaaca tgttcatagt atgcgaaagc tttgcacatt 180  
 tttaatgttt acaatatctc gttagaaaag gtctcactcg taacatgcaa catgttgact 240  
 cacaaatttc taaggaaaact taataccttc ataactatca tcacatagat cagatctctc 300  
 aagtg 305

<210> 7013  
 <211> 348  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7013

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 aaacctgccc tanaaaatct ttggtttctc tcttcttcta tattcttccc attctactca 120  
 ttttttctct tctttcccta tcacctacac ttgacatggc agtataacac cccaaacttt 180  
 ttaaccccat gttatagaat catcaaatat acatatccac caaagaagta caaacataga 240  
 catcactctc aagcttactt ct cattatgt aaccatggat ttctttccct aaattaaagc 300  
 aaccaatca aatgactgct tgtagagcac tagttattga acatgaat 348

<210> 7014  
 <211> 340  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7014

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 acataaggaa aaacacccta aaaagaagg accgaagcat gcgcccgcag caagaaccgc 120

aagtggaagg gacttcctta tgtcatatca tttaaagctt catcagcgta cgctggatgt 180  
 gtgaaaggcg gatcgccatg atcaacaatg aagtccctca agagcaatca aactcagtat 240  
 ggtcatgccc tcttgagttc gagttgggaa actggcaaact tatcgaacaa cccaaaattn 300  
 tcatggcaaa cataatggta attgttagtc caaaccttat 340

<210> 7015  
 <211> 442  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7015

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 gggccacgcc gaaagaacac tntaattgtg cccatcccct gaacatttgg tcatgaggtt 120  
 tgtaactcat gttcccaaga agtattatct aatgttagtc acaaactcaa cataacaatt 180  
 tgcataaaat ttcttgatta atttgagcaa gaacaaaata ttgttgatgg taggagacat 240  
 aaaataactt aatgttgac gacatacatg gtcttgaaag cgaggctgaa atgcatctgg 300  
 ctattgttgg agaatagaga gtgacaatgt tacattccct ttgttcgcaa ggactcacga 360  
 atactataat attaattaat atttcttctg gacgtatatg taatggggtt cctaacttct 420  
 ataatctaga aatgaacac ct 442

<210> 7016  
 <211> 386  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7016

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 gtaaggaag ctaccttgtg tctgacacta tagtgctgga ggactntctt gagttggatg 120  
 ttacagaaat gagatcctnc atcacttata agtacccttg gtgtgcaaaa ccttgagaag 180  
 atgtttttct tgaggaagcg aataatagtc tctgcatttg catgggtcac aactatttct 240  
 tccaccatc ttgttacata gtccacaacc aatataatgt attcatttga gtaaaatgat 300  
 tgcaatggac caatgaaatc catccccag cagtcaaaag cttcaaccct cagaatgttc 360

tatagtggcg attcattcct tctgga

386

<210> 7017  
<211> 360  
<212> DNA  
<213> Glycine max  
  
<400> 7017

taccaaaca atatcatata ataatcaata aaaacgaaga gttatcgatt aaaacaaaga 60  
gaaaacacga aacaacttag aaaaacttgt gatattcaag caaactaatg agtatgcaca 120  
tgaatcaaca aactaaggca caaactaagc aaaaacaaat gatatgagta gcaatatgag 180  
tcacacacta tgcaaacaaa aagtattttt tgctagatgc atccaatatg cctagttcat 240  
ttctaataaa aaagaaccta tctctagtaa gcggtttagt gaaaatatct actagttgat 300  
gctcactatc aatgaactca atgcagcagt caccttttaa cacatgatct ttaagaaaat 360

<210> 7018  
<211> 487  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7018

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cagtatgaca gatcttttga gcacggaaga tgacgttaat caccgcgtgt aaacgggctt 120  
gttgcccgca attgacgaat ggcgcataat acgacagtag tgtctacgtg ctatcanagc 180  
tttcgtctta cagacagcaa aaagtattata cggataacca ctcgggtatt ttcgcgcgtc 240  
agcgtgactc acaagtacta tgacagatga tgtgagcgcc gaagaatacg tataatcttca 300  
cgtgtcaacg gagctgttng tcacgatttg cgaatggcgc ataaaacgac gcttgtctct 360  
gctgggtggc gcccttttct gttacggact caaaaagtt ataggataac cactccgtgg 420  
tttcgcccgt cgcggactaa aagtcagatg accatcttgg agcgcggaga tacataaatc 480  
tctcttn 487

<210> 7019  
<211> 350  
<212> DNA

<213> Glycine max  
 <223> unsure at all n locations  
 <400> 7019  
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 tgacacgtgg agattttacgt tatcttccgc gtcacaaga tctgtatact gactttttgag 120  
 tcacgctgac gggcggaat acccgagtgg ctatacatat aaaatttttg ctgtctgtaa 180  
 tacaaaaagc ctgatagcac gcagagacta acgttgtctt ctgcgacctt catcaatcgc 240  
 ggccgacaag cccgttgaca catggagatt tacgttatct tccgcgctca caagatcagc 300  
 catactgact tttgagtcac gctgacgggc ggaaataccg gagtgggttat 350  
 <210> 7020  
 <211> 224  
 <212> DNA  
 <213> Glycine max  
 <400> 7020  
 cactgcctca agtagttcac gatctgcttc cataggataa cacgttgcct aacagttact 60  
 atcaggtcaa gagatcttac gcttgcacta gccagtgatg gaatgaatcc acatggcaat 120  
 ttaagcactc aaaacagctc atggccagat ctactattaa ttacaatct tgctcctgag 180  
 ttgtgcatga agagaaaata catgacgtta tcgatgatga tate 224  
 <210> 7021  
 <211> 281  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7021  
 gagcttcac atgcgttgct tccatcacac tgccgactct atagttatta tgtcctatnt 60  
 gtttagttga tatggatata tctctacccc tggatttttg ctcttattgc tacgtacttt 120  
 tgtcacagca gccttagatg gctaccaata tgaattggcc tgagctcggg tactgatgac 180  
 tctgctctgg atgattaaca cctgtgaggt tattctatga gattgaatca gtttatggaa 240  
 caaatgtgct atgattgtaa tgctgtgcta catcctttct c 281  
 <210> 7022



<211> 580  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7022

actctccctc tctttctctt tccacnnnt cctnnncnnn nnnnnnnnnn nnnnccgcgc 60  
 gtgatgatgc tttgatncat cagngaccga ganaaaccaa acttaancta cctcacttaa 120  
 atctacgaag gctgtgtgat tctatcctat tgccataaga ggaatatgac gacgatgctg 180  
 ggatctgatt cctccaacgt gtgatagacg tttagaaata taagctccaa catacatcac 240  
 actagcatga ttgattagag aaacgtagat atatgcatga gctggctctg tagaaagacc 300  
 caacaatact atctactgct ctttaatttta cttacttgca ttcttactcg acctatccta 360  
 aacctacctg aagtatgttc taaatcagca gttattaatg cttgtttcag caatgcctta 420  
 tttctaaatt taaccacccc tcataactaat ttacctcact tcgatattct acttcatctg 480  
 ttttaatcta caaatacttg accatacgcc gtgctctccg aaacacgaga gtaacctcga 540  
 atatatttgt acgactagac agtggaacgc aagtaacccc 580

<210> 7023  
 <211> 344  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7023

aattaagcac cctatcagta taaagatatt tatgaagatt acctcaggtc ttctgtttct 60  
 tctgcttcaa agattgaagt tctgaagaca cattgcttaa attctttagt tggaggaaat 120  
 gtttcttgct cattagactc agattccttg actatatttt ggacaacact gggttctact 180  
 tcatgaattt cctgctttc cttgtatttg catcctcctt cttcagagga atacatccaa 240  
 cgaaaccac actctgttat aaccacttca tcgttggtat tttcggttg aacaaagaat 300  
 ntaaattgtaa gctttggatg atgagtgggtg ctcttatcat taat 344

<210> 7024  
 <211> 378  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 7024

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tagccatgga acatctatca tgttcttgaa agatgcatgt gttccaaatt atacggcgct 120  
ggaggacaaa gcaacaattg atgggtgtag atgatattga caagcttgct tctgccaatg 180  
actttgtcac accattcgaa gttgatcgat caggatgctt gccacggaaa ttgnggaggt 240  
tattatggcc atggttcccc ctgtgattnt gtgtccttat gatatcccag cctagaagca 300  
ttataaagac gagttcttta tagtagcatc tacctacaat nntcttgtgg gcaatgttga 360  
caggtgtgat ccactact 378

<210> 7025  
<211> 457  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7025

tatctaanac tgcgattgtg agattgatgc ttattcgga aacctctaatt cctgcccatt 60  
tttagtctaa tattagttca cacttgtaat tctaaatcta atatggctga aaaatagaga 120  
acattggttt ccttttctta tacgtatttt tcaatttttg ttcctacttt attatgtgtt 180  
tatagacttg agtgaaatga atacaaactc aacttttgga tcatattatg aatcctagat 240  
caattgtgct tcgtctatat atttcgtggc atcataaatt atcttgtaaa gcctttcatt 300  
tgtctatatt tataaatcat aaatataaac aataatcatag atattctttg tgaaattcaa 360  
tattaaatct tatatattca ttgtttttct ttctcaacaa ctctcatatc tccatctatc 420  
tagnttatct atngactntt atgcggatct acatata 457

<210> 7026  
<211> 356  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7026

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gggtggttttc caccatagag atgcagcgga agacaaagga gaagaggtga gaggaggcgc 120

catccactat ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180  
 agaagcttgg agagaaggct ccaatggagg aaaagaaaga gggagagaaa gagagagggg 240  
 ggagcacgaa atttaaggaa gaaaaaggga gagaagttga actttgagta atgtctcacg 300  
 agactctcat tcatcaaagt tgcaacaagt gttacacatg cttctattta tagact 356

<210> 7027  
 <211> 464  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7027

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 caagtttcag aatttctaca cctagaccac tccttgaaac actccttttt tactctaact 120  
 ntgctctgaa cactttcatt ccaccaccac gattctttac ccttaggtcc aaaacctcta 180  
 gattcaccca acgtctcttt agccacttta ataatctctt gggacgtctt gttccacata 240  
 tcatttgcac ttccttgtga ttgtccacat catccctccc atatcttttg ttggaagatt 300  
 ccttatttct cacccttcaa gtgccaccat ttgatccttg gtgctaccat angacttctt 360  
 ctctntgccc tatctctaata tcttacatcc ataacaaaaa ctctatgttg ggtagtcaag 420  
 ctctcttccg ggataactnt acagttcaag caatacttcc tate 464

<210> 7028  
 <211> 423  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7028

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 ggagaaaccc atgctgtgac tgccattcct atacggccaa gtttcccacc aaaccaaca 180  
 atgtcattac tcagtcaata acaaacctcc tccttaccac ccaccagtt atccacgaag 240  
 gccatcccta aatcaaccac aaagcctgtc taccgcactt ccaatgacga agaccacctt 300  
 tagcacaac canaaaaaaaa acaccaacca agaagtgaat tntgcagcga gaaagcctgt 360

agaattcacc ccaattccag tgtcctatgc tgacttgctc ccataatctac ttgataatca 420  
atg 423

<210> 7029  
<211> 410  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7029

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acctggagat atgtcacggg ggtcaggaga ccttgnggac ntcagggtggg gtgctattgc 120  
ccaaaaccaa gcttgaccaa tccccgacca ccccgagcat agtcgggtcag tgagaacctg 180  
tgatgtacct aaacaggcga gctcctggca gtcaacagat aaaaggaaca aanancacaa 240  
agcaaggagg tttgtggtgg ctggccagct ctgaaacttg attgatatgt gagatatggg 300  
ntntcgtaat cgattaccaa ggggtgggtaa tgcattacaa ggcttaaaaa tgaagatagg 360  
aggctaagat ggtctctggg aatcgattac cacgggggtgt aatccattac 410

<210> 7030  
<211> 351  
<212> DNA  
<213> Glycine max  
  
<400> 7030

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gaccattggt cttccttccc gcgatgcttc ttttcatgtc tgcttgagtg ggcttatagc 120  
ctaaaccata cttcccacga ttaccttggg tatttatcag tctagttatg ccgcgcgtgt 180  
tttttctaa acccatcccg ggctcataac cgttcccaa cataactcgg gccatcatta 240  
ccgctgcac ggacagacta tgcttgccaa agagggagtc cacggaggaa atgctgacca 300  
cctcaaaaga ctggaaagta gtttctaacg attcttctgc ggcttccaca t 351

<210> 7031  
<211> 443  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7031

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ggctacaaca tagaacacaa aagcatgatt gattagagaa acatccttat atgcatcagc 180  
tggtctgtta gaaagaccca acacttctac ctactgctct taattttact tacttgcatt 240  
tttactgttt ttatcctaga cctagtttaa ttatgtttta aatcatcaat tatcaatggt 300  
tctttcaaca atgccttatt tctgaattta acccggtctt agactagttt ccctgagttt 360  
gatactcgaa ttcactgtgt ttaattntta aatacttgac gatccgcgtg tgctttccga 420  
aaaccagatt tcccttgaat ata 443

<210> 7032  
<211> 404  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7032

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attatctaca caaaaagtac acttctctat atttgcatag aggggtgtttt tcctaaagac 180  
tgaaagaact tgctgagat gtcctaagtg ataatctagg ctctactgt acactaaaat 240  
atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttagacat tatgcataag 300  
cctcataaag gtgcttggtg cattagtgag cccaaaaggc atcactagcc attcatacaa 360  
accagacttg gtcttgaaag cgggtttcca ctcatcacc tttt 404

<210> 7033  
<211> 436  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7033

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catgtgtaac acttgttgta actttgatga atgagagtct tgtgagacac aactcanagt 120

tcaacttctc tcccattttc ttccttcaat ttcgtgctcc cccctctctc tttctctccc 180  
tctttgtttt cctccattga agcatcctct ccaagcttct tatacaaggc tcattcttgg 240  
ggggaagctc cttcttccat ggcttattcc ttagtggatg gcacctgctc tcacctcttc 300  
tcctttgtct ttcgctgcat ctncatgggt gaaaatcacc attaaaggac ctcatgaag 360  
ctcanagatc cagccttcat agaagctcca caagcaagct ttcatcaagt ggtatcagag 420  
cacaagagct tcaagt 436

<210> 7034  
<211> 477  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7034

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aacagagagt aatgcttaag ccaatcaaat caaatcattt agaattctat cattactatc 180  
atgcatctca aagagaagga gaatcaggca tcataatgta tagcacaaca aaacattaaa 240  
agaaaacatg ctttctaaag ccaaccaagg gaaaaatgta tttatatttg tgaactttnt 300  
caaaattata acacatatat aaccatatat aaaaacatgg ttgaacaatc tgaccacatg 360  
cacaacacat tccacacatt atttctgaaa atgagtggta agggaatata ataaagcatt 420  
gttattaaaa ctgtatgtgc actaagataa caagggtgct atgacaaaag gaacaca 477

<210> 7035  
<211> 367  
<212> DNA  
<213> Glycine max  
<400> 7035

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tccattattt gttctaggaa gctcccttct cccctctctct gtcgatccca ctttgctggt 180  
gtgttgccac cgtcatgttg acttgatttg aatggcttaa gcactatttt ctgtgagatt 240

aattctctaa ttgtagacta cattacaaga gtagtatgga ttatcttttc aatcaataga 300  
 ttgcattagt tgatcggagt ataccaaata tggcgcgcac atgcatctaa aagcttggag 360  
 ctgctat 367

<210> 7036  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<400> 7036

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 ttgtaagctt tgtggctatg aatgacatct ttcaaaaggt accaaatagc caacgtttac 120  
 acggtgaatc ctatggaaga taccaccatg cttttatcag agtggctagg atattgctag 180  
 taatccttgg ttatatgaaa gtatgggtct gactctcgac gttgttagga ttttggaaaa 240  
 aataacttgat gagctgaaca ttggggaaca tgata 275

<210> 7037  
 <211> 423  
 <212> DNA  
 <213> Glycine max

<400> 7037

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 ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gtttttgttt 180  
 cattggacaa tttgttttgt tggctatgct tcatgatgta ttttgggcca tacttgatgt 240  
 acattgtata ttggttaa at gttggacatg ctgaatgaaa tgttgtttct cacaggctat 300  
 tcaaaaaaaaa aaattcgaat aaaaaagaat agctatatag ttgagtgaat aagatcttat 360  
 atggcacacg aatgatgaca ctctcggttc tactcttcat gtgtaaaatt tatcttcact 420  
 tca 423

<210> 7038  
 <211> 281  
 <212> DNA  
 <213> Glycine max

<210>	7039
<211>	283
<212>	DNA
<213>	Glycine max

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tataatagtt	gcatacgatt	gttaagtgtg	agggatcatt	gaagtcaatt	cggatatacc	120
ccttacggtt	tttctcatga	gaatacgtgt	ctgcgatgtg	tatgatactc	tcgcgcacga	180
tacgaatata	cttgagcgct	gattgggtaa	aggatcatca	actattcttc	ctatgcgcaa	240
gattctgtct	aacagangcc	cattgaatgg	ctataattta	tat		283

<210>	7040
<211>	476
<212>	DNA
<213>	Glycine max

```
<223>      unsure at all n locations
<400>      7040
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ataataatct	tttcatectc	agtcagtcaa	ccaacatatg	gatgtccaac	gaatgactta	180
tccaatgcat	gattatgagt	ctcacatatt	aacttcatca	tccactcttc	acctcccaac	240
actggtttcg	cacctgctt	aaagggacac	ccacattntc	gactgtcaat	caccgttcat	300
actagatctt	tctggatggt	ntggatttcc	actttttctca	caaccaataa	aacaaatgag	360
ggtnttcctt	tcttttctgt	atgtgtctga	ccttattatc	atagccacan	aaccaatatc	420



atagcaaca gtatgaaccc cattgcatac gtctcacggt agcanatacc taaaa 476

<210> 7041  
 <211> 429  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7041

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 cttcatcatc ataggaagtg tgaataaaaag tttctatgtt agaaagggtt cttcaagagg 180  
 caaaactttt gttttcatcg attacagggt tgtcataatc gattacaaca agttgtttga 240  
 agcttgagga gttgatctta tatcgggtta atcgattaca gtagtctcat aatcgattac 300  
 cctgctgttt gagacaatga ctgattgatt taggagtcct tactttaatt gattcccaag 360  
 tgggtttaatt gattacttct ctntcattta gtagtccaga agttaacaag aacactntaa 420  
 tctattaca 429

<210> 7042  
 <211> 435  
 <212> DNA  
 <213> Glycine max

<400> 7042

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 agcacaaga cgaaaggcgc gaaccatcca gatccgggag caacccaaa taccaatcta 120  
 ggcccccccg gaacatactg gaagaccggt cgcccatcga cgaagcccac gagcggtaag 180  
 ctcaccacg ccgcccgaag atggcccacg ggcccccccg ctgccgaacg cccccgcaaa 240  
 ccccgacact ccgggaaacc aattgaccta ccccggggaa aggcacacac ccaataaacc 300  
 cccacgcacc cacaccggac ggctccccac ctccccgaca ggacacaagg gcaacacaac 360  
 actcggggag cgacacacc cccgagaccc aaggcagcac acctcctaca cctaaacacg 420  
 gagggaccgc ccccc 435

<210> 7043

<211> 410  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7043

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 ctctttcttt tctgcaaaaa agaaaatcaa atgctatcaa aacatggatg aagtcctaag 180  
 aaaatcaata tcaaagaaaa catggatgaa atcacaatta aaaagcacia ctacctatct 240  
 ttcagagtcc tttggttaat atgtcttgct tccttatgtg gtgggggtnt gtttaataat 300  
 cttatacgtt tgccttccaa aaaaaactta tctaatacc tcttttcatt aatccaatnc 360  
 tgtatgttat tgtataaaag atcatgggtt ctccacctgg ctgcactact 410

<210> 7044  
 <211> 464  
 <212> DNA  
 <213> Glycine max

<400> 7044

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 tactaaagtg aaacaaaacc cagtgcgaat caaaactcta acatctatca tgggtggaat 180  
 ggatgaatgc atgaagaaat gcacatgaca cagatgcaat ttataaatac gggagccccgg 240  
 gaaattgtcc ctttcttaga tacaacattc gggtagcata gcgccccgacg tatgcattta 300  
 agaaggcgac acggaccctc catcggttta acaaagtaag gggatcaaga cgcaatccgt 360  
 gcatgatgca tatgtgaaag gcacaacacg aggatgtaca tagtacgaca atatccacaa 420  
 aaacatacaa gcataggcgt acatgacatt taggactaca tgca 464

<210> 7045  
 <211> 429  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7045

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gagtcttcca aggatttgtg tgccttctct aacttttctt ctttttccag caataaggta 120  
aagctacaaa attgagtcct ccaatgtttg atataagttt tgtaagacca tctttaattt 180  
gaacaagtgg cttaaagggtg taaatgcaca gtccttccaa gcgagcaact canaggtgta 240  
acaccatctt agaatttctg atgagcatct tcattaaaaa tggaagactt gaacgaaaat 300  
ggttggcttg ctctcattg ttctgggaat agataaggat ctatataatg agcacaatgt 360  
atgaaggatg gaaaaactcc aatntatgta atcccaggtt aagacttgta gttcacacta 420  
atcaatgac 429

<210> 7046  
<211> 450  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7046

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ccatgagaca cacacagata cacaacaca cacacataga gacagacaca cgcagactca 120  
gacacagaca cgcgcacaca tgaggaggga cacagacaca ctgcgagagt cacacacaca 180  
taaagacaca gacaaagaca caaacacact gagccacaga cacacgcaga gaccacaca 240  
cgaagacaca cacactgagt cataaacaca cacatagaca aacacactca caaacatgga 300  
cagacacaca cacacacata aagagacaaa cacacacaca cacagagtaa gagacagaca 360  
caaacacaca cactcacaca cacacagata aagagacana cacacacaca cacacacaaa 420  
gacacacaca ctgaggtcca gacacacaca 450

<210> 7047  
<211> 465  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7047

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aatatgattc tcccacgtag acctttaagg ctttagttct ttaaagatat gcaatacgcg 120

tgtagtgaaa tgttgatgga ttggcaagtg caccaattcg tcccaagtag taaagttaaa 180  
atcgaagtcc gagtgtcgaa tccacagaga ctttgtttat acttaggtag atgattattt 240  
aattaagaaa aagatttana aaggttgtag aaaacagtaa atcaaattgc ttaaaattaa 300  
atcaaacaag aaaaagaatt aaacatgaat ntaaattaat taattaatta aagacaaaaa 360  
agatgagaaa atccacaata ttgtagaacg aaaattataa gatgggaact gtggaaactt 420  
tggttatcag aagctactct tgatgtaatg ttaatgaatt ttctc 465

<210> 7048  
<211> 174  
<212> DNA  
<213> Glycine max

<400> 7048

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ctgctgatgg cttaattcca ctcccagctt caatacgagt cttggacttt acagactcag 120  
tcggacatct gctgagtatg caaacagcac tgtatactgc ttccaccag aatg 174

<210> 7049  
<211> 432  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7049

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aactgacca tccccagtg atgttgact aaatgtggca gaagcagaat atcacaacag 120  
aactataatg atgctattta tatgctgaa atattgtatc tcacctgcc acatgacaac 180  
accaccagca ttctcgattc tcttcgctc atcacttcta ttggtttat gatcctcaga 240  
gagagcattt gctgcaaaa taaaaaaat taattcaaga taccaatctt atttcaaaa 300  
tgtattcaaa tggaactgta ggagaaaatt tatcatatga ccagacaagg actcttgtct 360  
gaaatgctgt atcttcaca tgatctctgt atntacatta tcaagcagct tttccccaac 420  
atcacatcat ta 432

<210> 7050  
<211> 358

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7050

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aaccacaaaa atgaaggggt gaacttatca agataggggt gtaaatagaa attcgaatct 120  
aggcccttcc gganacattt ggaagttggg ttgcttaagg aggaagcaac tgggcggcaa 180  
gctccttcac gttgttgaaa aatggtttcc ggggctttca tggcttctgt aatgcttccg 240  
tanaattccg aaaacctggg taagcatatt tactaaacat tggtgaaagg gaagagaaaa 300  
aaaataaaaa tcaaatacaa aacactttcg taaggctttc gtaacttttc cgtaaagt 358

<210> 7051  
<211> 471  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7051

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caactgatcg tagttgctca aggaaacaca caaatggcc aattcaacat tctcaaacat 120  
ttctagccac ttgcaatttt ctgctagccc tctagcatgt attggaatta gttgatacct 180  
gcaatcaatg agaacaaagc atatgacaca gatcagcaac tttttatagc agctctggca 240  
atcggatcaa tcatgactac ctataaaatt tctcacatga aacaataggc gcaaatattt 300  
tcacccacct aactaaagaa tcatgtagat cggcagtgtc gacagtttcc tcacgagctg 360  
gccgaggaaa tgaaaactct accagaagcc atcccattgt atgaagtaac tccttcagca 420  
tagaggatat ctaaataccga gggttcataa tcagtctca atatctcaac a 471

<210> 7052  
<211> 447  
<212> DNA  
<213> Glycine max

<400> 7052

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aagtctctac ctgaatctct aagaaagagt gtaacaagt gtgacctgcg acaatccaac 120

aagagcatat aatggattcc acacaacttt acttttcgat atctcatacc taaggagctt 180  
 gtaaaataat tgcttggtag cccttttttc ttactatggg agacaatcta cttcaagttt 240  
 taaacaacag ttcacaactt caattgtagc tgcattagtc gtatctgtct gcaattttcc 300  
 aatcgagaca aaactgctac tacaattgct actgcagttt ataaccttga tgtgcgttgc 360  
 ttgctctatg atgtattatt cttctgtaca aagatgacag ggtagcacca acagagaaat 420  
 ctaatattgc aatgtgtagc attgagt 447

<210> 7053  
 <211> 342  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7053

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 ttcttatgac aagtcgtccc tttgtacctg tcgaaatcag gtaccttaaa ttttgatgg 180  
 atgacgatgt ccggcactaa tcaaagatcc gccatgtnca cgaacggata gtcgcaaag 240  
 ccttcaacat ctctcaatct ctctttgata gatcgagttt actttattct tccgctgcta 300  
 ggggtgggcc ttctgtggac aagaatatcg gctatgctgg ga 342

<210> 7054  
 <211> 283  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7054

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 taaataggat catataaaag atatcaacaa ataaataaat aatcacatat catgatccta 180  
 caaaaactta tctccttctt acaccaatct cttgtaatct tctctccatt tgttgtcaag 240  
 caaaaaacca aagggaggaa cgaaggggat agaccaatca tgc 283

<210> 7055  
 <211> 307  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7055

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 gagttactag gatgaccaag gcatcaagtt ttccctcaag ctttctatct tctgcagaca 180  
 atagcatcat ctcttgcaact gaattgttgg gagatgaaag ccattctctc aatcaaattc 240  
 ctagcctcaa caggagtcac atcaccaaga gctccaccac tggcggcatc gatcatactc 300  
 ctctata 307

<210> 7056  
 <211> 412  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7056

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 ttcacaaaaa ctagtggaat gaagtcatac ttgagacagt gaaagcaaatt ggacatattg 180  
 tggccaaatt tatgctacac ctgaacactg aacatacatt ctgncaccac gggctatgga 240  
 atgccctgca atgtggccac tacagactct atggaaacct ccacgactac aaaaaggctg 300  
 gtagccgaga tttgatgacc ctgagtgaag tgattatgca aaatgtgcat gaggaggata 360  
 gtangaggat aatacaccgg ctgataagga agattctgaa tgaaatacca at 412

<210> 7057  
 <211> 428  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7057

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tgaactgtgt ctttatgaga aaagtagttc cacacaaaat ccataagaac tcgatgaccc 180  
tcattntgtc tttcagtact gtttagcact ctatcaccac tacttttctt atccacagtg 240  
tcacgaatcc ggataagaga agaacatggc tttgcatctt ggctacaact agcttgagca 300  
acagcagcag acatatatct atccattggg ccatgggtat ttggtgcttt cctcttcctt 360  
gcatcattaa ttctcactag ctcttttgcc cctacacttg aactanggac agatagatag 420  
agtgattc 428

<210> 7058  
<211> 430  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7058

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aaatagctat tcaagatgaa tatataataa taataataat aataataatc acattgcatt 180  
tttagagtga tcgagaagat aattgttcat taactttttt aatttaacat ttgttaacta 240  
tattagatgc aacaatatat atagtagact aatactataa agaatgagat gcatacttgc 300  
gcaataaacc aggccgttaa agagaagcaa ctgcaaatca aaaacaaagt gccacgaagc 360  
atgttggttn tgtgtgctgc agtancagtt tgagcgtgat gactatggtg accaagataa 420  
aactccttcc 430

<210> 7059  
<211> 441  
<212> DNA  
<213> Glycine max  
<400> 7059

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aatcattaa gtgcgaaaac agataaagaa ttcaagatga aatattgaat tgatagaatt 180  
aaaggataac aagggtagtt ttttcttctc ctaggcggaa ggaatcacac tcataataat 240



aatacaacga aacctagagt gtctaaatgg aataatggag gcctctagta ggtggaagtc 300  
 taaaatataa ttctaagaac tgctcaggat ttctacacgt tataatgaat gcctaccgtc 360  
 ttatttatag aattggagtt gagtgtaatt aatgagataa ttacatgaaa ttacaaacaa 420  
 ataatatctc taattatttc a 441

<210> 7060  
 <211> 461  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7060

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 cttcttcata ctagaactcg actcttcttg gatatcatgt tgaacacccc agtaggaaat 180  
 cgcttccttt tgcgttaaag cagatttgca tagtagagtg cttcttttga tggaaattag 240  
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 tctctgtaaa acaaattctca nacacagtgt attaaattaa gtcttaaata tcattcttta 360  
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 aaagcatggt atgatatcat ataagacaca acttgtaacc t 461

<210> 7061  
 <211> 305  
 <212> DNA  
 <213> Glycine max  
 <400> 7061

aagatacatt gatcattcgt ttgtgttgaa gctgctttac ctttttgact cagaagacca 60  
 aagagagagg gattacctga agactatcct ccaccgtatt tatggaaagt tcatggtgca 120  
 tcggccattc attacaaaag ccatcaacaa tatcttttac aggttcatat ttgagacaga 180  
 gaaacacagt gggattgcag agttgcttga aatattgggc agcataatta atggtcttgc 240  
 tttgcctttg aaggaagacc ataagctggt tcttgcccgt gcgttgatcc cgcttcacaa 300  
 gccta 305

<210> 7062  
 <211> 412  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7062

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 acaaagtact ttcggcacct actatatgtt gacttgacca atgctgttat tggaaatgttg 120  
 cggcaatctt tcaacacctt attcacacat tctgataggg ttgttgtcat gtgaccatat 180  
 cttcatccag atgtatcgta agccatgctc catttttctt ttgaaatgcg atcaatccat 240  
 gttgctatgg ctggactcaa ttgacgaaat ttttctaagt ttgatcaaa cacatgcttg 300  
 caaggagtgt accgctgcat caaattgtta ccatcaaaag ttgtaggtag atatgaaact 360  
 canatttact taatgtataa aataaacctt aagcaatttc ttgaaacttc tc 412

<210> 7063  
 <211> 466  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7063

cctttatgaa gtgcggacag aanaataact tgaaaaaaat tttgttgtcc actcgctaag 60  
 cgcaccactc gcgctaagcg ccatcttctt cagcgctaa ctgagttctg ctaagcgcg 120  
 gacctgtgcg ctaagtgtta ttctcctttg tctgaataat ttcgagaatt gngctaagt 180  
 agagctcttg ctaagcccaa ttcttctttt gtttggaata gcactaagcg agacggatgc 240  
 gctaagcatg ggccactatt gcatttaagg agcattttat ttgctaagca tgaccttggc 300  
 ccactaagcg agagttgcag gaccaatcag agctacagaa ctcgctcagc gcgtatcttc 360  
 gcgctaagcc caaaaacttc tctagaattt caaaattttg tattgggctt agcgagtaga 420  
 tccgttaagt gcatgaantt tanaactaaa acgtcatggt gactcg 466

<210> 7064  
 <211> 440  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 7064

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atttgaataa atatatatga tctaataaga tgaacaaaat taatataaaa tatgttttagt 120  
ctgttagatt gtaaaatgaa cacaatttga aagacaaaata agaggaagat acatgttttt 180  
gtctaaatat gattggatat ttttctcttt atagcgcttt tctctctgag gtcttttact 240  
gagtttcata aaatgttgta ttggaggatg aaatacctac aaagatactg tgacgcttaa 300  
ataagattnt ggcctagagt aataaataaa catgttgtac taacctcaag tccacaagca 360  
tcgttataat cctcgtatcc gagatattat gcacttatat gcctggtggc catcacgggt 420  
ttatccttgt aaatacaact 440

<210> 7065  
<211> 440  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7065

tgatttcggc cagatcaatc cccaagagct ggcattgttt ggtaatgagg ctgatgggtg 60  
agaagatttc aaatcctgag aaatatagag atgaggagcc caagctggag tttgaagatc 120  
ccactttgta tcattatgct atattctcag ataatgtcat agctgtgtct gtggtggtga 180  
gatctgtggt gaagaatgca gtggaaccat ggaagcatgt tttccatgtt gttacaaaca 240  
ggatgaatgt tggggcaatg aacgtttggt ttaagatgag gccattgaa gggggtgcat 300  
ctttagaggt gaaatcgggtg gaagaattca cattcttaaa ttcacatcat gtccccgatct 360  
tgaggcaact tgagtcagcc aaaatgaagc agcggactt ggagagtcaa gctgataatg 420  
ccacanatga tgcanacatg 440

<210> 7066  
<211> 360  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7066

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attgaaatat aaaaactgaa attaaaatga ctgaacataa atcataaaaat aactgaaaat 120  
 aaactaaaat gttcaagatg cacaaattta aatgtcctgc tccttttggtt gctcctgtgc 180  
 atgctcatta aggtccaaca cctaagcggc tagtgaatcc taagggatag gctgctctag 240  
 ctcaaagtct ggtgcagatg gtatggcatc atcaggtaca ggtgtagaag atggctcatg 300  
 aatgtggtct gtagaagtct cctcctcctg agccatgtat acacctgcat cacaataaaa 360

<210> 7067  
 <211> 425  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7067

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 tccctttcgg ttntagctac tatcccatatc ttcatctac cttgtccttg gtccattac 120  
 aaccttaaaa gaccttttga tctcatgtg catgtgcttg cgatgtggtt gtcaatttta 180  
 gagtcttgcc aagtctatgt ggtgtttggt ttcatgggtg ctctgagagt aaatagtagc 240  
 ctatacactt gagagataga gtgcatactt tgtgaggctc tatcactctt cattcttgag 300  
 ctgattgact atctcgccat atctgagatg cttggaggat ttcatgacg gccttgatta 360  
 tttaactntc tacgtgtcgg atgttaccce ttcttttcat tctttgagat tcaactgagaa 420  
 atatg 425

<210> 7068  
 <211> 354  
 <212> DNA  
 <213> Glycine max

<400> 7068

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 acagcacaga agacgatggt agtctctgcg tgctcctctt ctccgaggct tatagatagc 120  
 aaaaagggtg aggaccaaca ggctcccaca tgtcatcggg ccctgagtat tatagatagc 180  
 agaaatatct caaaagtgcg ggaccacatg gttcccgctg gtcacggggc ccgccgcctt 240  
 tggatgacaa aagggtgcata agacgacggt agtctctacg tgctatcatg ctctgagtct 300

tatagatagc caaagtatct taaaagcgcg ggaccacatg gttccccgat gtca 354

<210> 7069  
<211> 359  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7069

agctctngaa gatagagaga agactcagtt gttataatgt ttagtttgac ctctagatct 60  
ataaattatt agaggatagt tgcataagtg gagagagaag gtacgagacc acctacacaa 120  
tgcataaaca aaaattacat catctctacc ttccataatc cttctatgtg ctaaaaggaa 180  
gcaaatagag tgaagtatag ccaaaacatc aatgaagatc caatcaatga gtgttgata 240  
gttgtaaaaa tccctcaaac agcttctcct tgtatgtaat atatatgcat cccacattaa 300  
ccatgtgggt taagtttggg tatgagagaa gtgattggga gatcccatgg aatatgagt 359

<210> 7070  
<211> 212  
<212> DNA  
<213> Glycine max

<400> 7070

gcttgcttgt ggagcttcta tggaggctga atctatgagc ttttaattacg tcattcaatg 60  
gcgattttcc accatggaga tgcagcggaa gaccaacgag aagacgtgag aggacgcgcc 120  
atccactacg gaataagcca tggaacaacg agcgtcacta ccaagaatgt gccttgata 180  
acaagcttga aaacgatgca ttaatggagg aa 212

<210> 7071  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7071

agctngaacc ttgaatcttg attcttgata tcttatttcc tcttgaacct tgaagtgttc 60  
ttgattcaat cttgagcatc ttgaactcat tctttgattc ttgagatcat catctttgtt 120  
atcatgaagt attcttgatc tttagagctt ttgtcatcac ctttgttatc atcaaaactt 180

ctttgaatca atcttgattc atcatgaagc ttgcttctac aatgaatgtg gtgagtagtg 240  
 caaccctctt ttgaaaatca cccatgcac ccatcatcttc atgattcaca tacatagggg 300  
 ctcattacgt aggtttattc ttattctttg tttcaataca aaccaggggt ttcatatggg 360  
 acaccttagg tttgtcatatc tnttnggtag gagtaatcaa catgaaaata taaaacaaag 420  
 gtatatnta ttgcattact ttccttanat tcttaagt 458

<210> 7072  
 <211> 189  
 <212> DNA  
 <213> Glycine max

<400> 7072

tgtagacag acggcctcag ttctcttaag aaggggggtg ttgttttacg ataacaagaa 60  
 ctctcgcgca attcgcttt cactctctgc tcttacatga acgatgcacc ctcaacatga 120  
 attactctaa agacaattct ccatagactg ctttaatgga agagagaact gcacactaga 180  
 ttcattgctg 189

<210> 7073  
 <211> 406  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7073

gcaagcttct acttatgtgg cagggcgggc tttcttact gtcttgtctc caacgcgagc 60  
 tntgaccact gttcttccct cccgcgatgc ttcttttcat gtccgcctga gtgggcttat 120  
 agcctaaacc atacttccca cgatttccct gggatattat caggctagtt atgccgccgt 180  
 tgtctttgcc taaacccatc cggggttcat aaccgttccc caacataact cgggccatca 240  
 ttactgctgc aacggacaga caaggttgcc cagagaggga gtccacggag gaaatgctga 300  
 ccacctcaa agactggaaa gcnggttcta acgattcttc tgcggcttcc acataaggca 360  
 tagaggatgg gcagcttacc aagatgtctt cctcgctga cacgat 406

<210> 7074  
 <211> 433  
 <212> DNA  
 <213> Glycine max

<400> 7074

tgggtgatgt tgcgcgtact gatgggtacc atgaggtggt tgttgtggtt tgacccatgc 60  
gggcgttgaa gagaccgcat gggcatctcc ttccttactt tctgccctg ttgccccgat 120  
tcttttggcg ttcacgtttg tggaggaaac gtaatcaaac tttcctctct tcaatccac 180  
ctcgattctt tccccggcaa acaccagatc cgcaaagctg gacggcatgt aaccactag 240  
cttctcatag taaaacactg gcagagtgtc taccatcatg gtgatcatct ctctctcaac 300  
catgggagga gctacttgtg ccgccaaatc cctccatcgc tgcgcatatt ctttaaaggt 360  
ttcacctct ctcttgaaca tattctgcag ttgagtacgg tccggagcca tatcagaaat 420  
gtactgatac tgc 433

<210> 7075

<211> 198

<212> DNA

<213> Glycine max

<400> 7075

tccggagcgaa cactggacat acttttgggt ttgcaagtga ggcctgacgt gttatgtgat 60  
gaaagcctcc gtatttgaga actctggtat attctaacca ttagagaatg cattaaagaa 120  
aaatattatg ttttaccgtg tgattcaggt gtgtgcgggg cattcacgac actcatgcat 180  
acgtgtcact tgtggagt 198

<210> 7076

<211> 404

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7076

gcctgaaact gttcgatcat attgaaacat catagtgtc tacacagtaa tagatattca 60  
aatttgacaa tatgtcaga aaattaatac aacgttcatt tttcacatc taaaaagtcc 120  
tatattcgcc aatgtntgga acttaattag gccctacata taacgaactt ttttcttta 180  
aattcctctc gaaataataa ttcattcgcg aaagtactat agattgcgta ccgagacaag 240  
caactgaaca ttgaaaactg cccatcacaa ttaaagattt gataaatgta ttgcgcgttt 300

attttataaa cagtcaatat tttaaattat gatatgcact ctcatTTaat ctcccatgca 360  
ctgctgatat gtgaagtctc acaattaata acagatgctt gaaa 404

<210> 7077  
<211> 397  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7077

ttctcttttg gaaccngaag cgccacgaca tcattcttgag cctctttgac ttatatcttg 60  
acttctgaaa agatcatact cgtcttcatg caatctcttc gagcctcgag cttattgaac 120  
attccctagt ttttctccaa tattctttta attaacttct aaatgtcatg aagcctgctt 180  
atacattgat gtcgcgcttt tgcagtcttt ttttgacaac accctcgttc cacatctcat 240  
gattcatcct aagaccata cgccgcgcct atatttctgt tcaacaacac tcggtatatg 300  
gaccctacgg tgctaccttg cgcgctacca cctcaactac caaggaattt taccatctcg 360  
ctaattaaag gaaaaggctc cacacctaaa ataaact 397

<210> 7078  
<211> 434  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7078

cttagaaaatt tcaaaagtga tatcagatgc atccatttct aatatcaa ataatagcatg 60  
tacggcggtta ctaattgcag tattgtgagt agtatattaa caaataaatg aatgcatagc 120  
ataaattagt tnttgccctgt tccataaatt gtaagatgat acgcaagccc ttcttgcatg 180  
tgtgtgcaaa agaagtagat caattgcatt gtgtattaat atattatagt tggtaatttt 240  
ctttacggtc tctatcatga actaccgcga tttgggtggtt gcttaattct aagtagaaat 300  
attctattgt tttaataaat tgagcaatgt gaattaaatt acgacacttg tagaatgtaa 360  
ttattttgaa agaaattcgt cttattttgag tggcatatct gtaataatag aacagatcnt 420  
aatgaaaaaa cgta 434

<210> 7079



<211> 427  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7079

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 agtggatgac gctccttttc acctcttctc ctttatcttc cactgcatct ccatgggtgga 120  
 aaatcaactt tgaaggacct cattgaggct caaagatcca gcttccatag aagcttctta 180  
 agcaagcttc catcagagaa attcacctag aaacacctta tctggaagta cgacctccca 240  
 tacaccattg tcacggacaa cgacactcaa ttcaaggctc agacttaca agaattcttg 300  
 gaaggctagg catcaagcac ttagtcacct ctatcgaaca tcatcaaacc tacggacagg 360  
 cagaggtagc taacanagtc atccttaggg ccttacgtac tagactcaat aagtctaaag 420  
 gtctatg 427

<210> 7080  
 <211> 428  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7080

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 gnggatggag agaaagttag attctggaca gataagtgga ttaatcaaca ggagtcgcta 120  
 gcagaaaggt accccaggct gtttattata tcttcacaac agaatcacac cattaggcag 180  
 atgggaactc aaaatgacac gggctgggaa tggaattttt catggagaag actgcttttt 240  
 gacaatgaaa ttgatactgc catcagtttc cttacggagg tagaaggaca aaccatacag 300  
 caacaacaaa ttgacatttg ggagtggata ggagattcat cagggattta cacaactcgt 360  
 agcgcttaca atctgatatg ggaggaaatt gctggtggcc aaaaggagga ttggagtatg 420  
 gaactatg 428

<210> 7081  
 <211> 427  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 7081

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tgcgattcta ggcctatgaa cccaagcttt taatttcaat acaaaggagc atgacttacg 120  
cctagaaatc taagttttgg ttttgaatgt aaaaggcatg aatattggga catgtttgag 180  
aggtttttga tttgaattta aattggctgc ctcatgagga ataccttgca cctaggtagc 240  
atggaaaata cctttcaatg gtaggtatat atgtgaatat atatagcatg gaaatgcctt 300  
gcaaagtgtg tgaatatatg gcataaatat acctcgcaaa atgtgaatgt atagcaaata 360  
atgcatttca nanatctgta tatgtaagat aggtagcgta aaaaatgcct ttccaaatat 420  
gtatatt 427

<210> 7082  
<211> 461  
<212> DNA  
<213> Glycine max

<400> 7082  
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tgggcttggg gccagtcacg cgttgagcct ggcaagagac aaatgtctcg cttagcaagc 120  
tgatctcgca cttagcgtgc ggcctagatc cttgtgctct tctagattcc cttgtcacgc 180  
taagcacgct gaagctatgc ttagccgtgg atgtgcgctg agccacaggg gtccacttag 240  
cgcgactact ccttttagca cttcaagatt ttagcctctt ttgacctaaa attgaacaga 300  
tttcatcatt aaataaaatg gaaaatatct tagagacagc tataacaatg aaacaagatt 360  
tatttaccaa tctctacaaa aataacaata aattggggaa actatacaag ttttggaaaa 420  
tgtcttctat acaaacagta gttgtataag atgactaaca c 461

<210> 7083  
<211> 443  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7083

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gccaaacttc ttcttctagt gctccattaa ttaggagtnt gattcctgaa aggtgcagac 120  
 acacctgcag gctaccctg caagccacct gctaatagaa cattgatgac tttgtgtaca 180  
 ctaggttata gctgaagctg caaatgtcat aaacataatg aatgatgttg tgaccccagc 240  
 ttttgtggct agatcccatg tcttaattat ttttttttga actgcaaaaa taatttatat 300  
 taaaagataa agagtaccag ggttactata taaacacaca ggagtaaaga tctcctgaaa 360  
 atgataacaa aaatacaaca acccaacaaa aacagccaca nacccaaattc tacacacca 420  
 ctctaattaa aagctataga cat 443

<210> 7084  
 <211> 404  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7084

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 caaataagaa aattaaattg aaggaaatta atatattaag attcaacgat aaatactttc 120  
 aatgcanttt tagtttaatt atttattaga ctcttttaatt tgaaaataat atagttcgat 180  
 ttaatatgta catgttttgt gccatgtaaa tattaatatt gtgtgatgtc tatatgattc 240  
 atgagatgtg ataacatgtt tcattgagat tataacattg tgattgaaaa taaatataaa 300  
 tgtttgatta atacttgatg tgatattact tgtgtgtgta cttatgaatt ggtgaatata 360  
 caataattcg actggtgttt actttgagaa aaatgtttat gtgc 404

<210> 7085  
 <211> 463  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7085

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 atttgcaaaa gaacatagac cacagactct tggaacaggt gcagatgcaa atttcttatt 120  
 catggcaagc tgagttacta gggtgaccaa ggcataagat tttgcttcag gctttttatt 180  
 ttcagcagat gaagatgaat ccgtggccac ctcatggact cctctaagga caatagcatc 240

atttctcgca ctgaattggt aggagttgga agccattttc tcaatcaaatt tcttagcctt 300  
aatagaagtc atatacacia gagctccacc actggcagca tcaacaatac ttctctccat 360  
gttggttaagt cctcataga aatactgcag aaggagtngc tcagaaatct ggtggtgatg 420  
acagcttaca cacaatttct tgaatctttt ccagtactca tac 463

<210> 7086  
<211> 463  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7086

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acaaaatata tgaaaatata aaaaaaacgt cctactaca aagactactc aaaatgcctt 120  
aaaatacaag gctaaaatcc tatactaata gaatggccaa aatacaaggc ccaaaagaag 180  
gaaaaatcta ttataatatt ttcaaagaag agaggaccca accttggtcc atgggctcag 240  
aaatctaccc ttggattcat gagaaccccc aggcttctt tagcagctct agcccaatcc 300  
tcttgagtc ttctatcaa tacccttgcg gngtaggatt gcatcatcct tgctcttcca 360  
ttgaactcga cgagggtggac ggctcgaact tctccattg ctctctctgt ctctgagtn 420  
gggaggggtga actcaccana naanaaagat attttaatac act 463

<210> 7087  
<211> 459  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7087

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tagcatcatt tctggtgcta aactggtggg agttggaagc catcttctca attaaatttt 120  
tggcttcagt aggagtcatg tctctaaggg ctccaccact ggcagcatct atcatacttc 180  
tctccatatt actgagtcct tcataaaaaat attggagaag aagctgctcc gaaatctgat 240  
ggtgagggca actggcacat agttttttta atctctccca gtattcgat aggcctctctc 300  
cactgagttg tctaatactt gagatatect tctgatggg cgtggtccag gaagcaggan 360

attntttttc taagaatact ttcttaaggt catcccagct cgtgatggac cttggagcaa 420  
 ggtaatacag ccagtccttt gccactctct ctaaagaat 459

<210> 7088  
 <211> 414  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7088

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 attggatgag agtctgttat gagtagaggt aggggagaaa gattaagcta cttgatttcg 120  
 aggaccaaga cctcttcaca agctaagtat caaaattctt ctctgcctta ttcattgatt 180  
 ggtattgctt ttatacacia ctatggaagt gcatatgtaa cagaatccta acaatcttta 240  
 acagaatgat aatcgcttct aacaacctga atattgntat aactattatt tgaactccta 300  
 tggcagattc ctatgacaga gcactcgtgt gatcaaacga aatccctcaa gtgactangc 360  
 cttgtactga tcttcttggg cctactgctg catcttcttc ctatcanagt catg 414

<210> 7089  
 <211> 474  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7089

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 agctaaaaca gttccaaatt attgtatgag catttatcat tttccaaaat ctttagctaa 120  
 tgaacttcat aagatgatga gctccttttg ttgggggtgcc aaaaggagtg gtcatagagg 180  
 gattcactgg atggattggc acaagctggg cagttcacia ggaacatggc ggaatagggt 240  
 ttaaagacat atatggattt aacctcgctt tacaaggga acaagggtgg aatctattga 300  
 aaaaccaac tgctttgggt tcaaagattt tcaaagctag atattatcct aaagcggatt 360  
 tcttgggtggc cattgagcat aaataatcct tcatactctt ggagaagcat atgcaattct 420  
 tgggttctat taagggaaga ctatagatgg aaagttggaa atgggtcatc aatc 474

<210> 7090

<211> 441  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7090

ntctcttcca agaaaagttc ttgttttaaa aacttgtgct atttatcttt tcattctctt 60  
 cttcctttgc caaaaagaat tcgtcaagga ctaaccgcct gaattctttt tgtatctctc 120  
 ttctaccttt tccaaaagaa cgaaggatta actgcctaaa ttcttttgtg tctcccttct 180  
 cccttgtcaa agaattcaaa acgacaatct aagaattctt ttgattcttc cttttcccat 240  
 aaacaaaagt tttcaaagga ctaaccgcct gagaattctt ttgtttcccc attcaciaag 300  
 tttcaaagga ctaatcgctt gagaactttg tcttaacaca ttggagggtg tatcctttgt 360  
 ggtacaagta gatgatacat ctacttggtt tattgtgact gagaacaaga gagggtacat 420  
 ctcttgtgga ttcagtctag t 441

<210> 7091  
 <211> 391  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7091

ttaagtcacc tgcggcatgc aagcttctta tacaaggctc atcttgggtg tgaatctgct 60  
 tcttacatgg cttattccct agtggatggc gccacctctt acctcttctt ctttgtcttc 120  
 cgctgcatct ccatggtgga aaatcaccat taaaggacct cattaaagct caaagatcca 180  
 gcctccatag aagctccaca agcaagctct catcaagtgg tatcagagca taagagcttc 240  
 aagtaggtgc tccttaaacc tccattaatt atttgcttta ccttctcttt cattgttgc 300  
 tcttcattct tctccatgta tctactcaca tgtcttggc taaatgttgt taacatgatt 360  
 ctttagagtt tccnccgatt aaacttgcta t 391

<210> 7092  
 <211> 445  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7092

agctntgcag acccggtntg ctccgtcaca ataataagac ccaacaggtg ccttatttaa 60  
gctaacgtag aaaggatcag tgagtcaata cctgtcagag tttgaagacc tcgcgaatcg 120  
aattatcggg ctgccatctc ctttcctcct aagttgcttc atctccggcc ttacttcgga 180  
gattcgcagg gaggtccaag ccaaccaacc tctcactttg gttcaggccg cgggcctcgc 240  
aaaactccag gaagaaaagc tcaccgatag ccggaaccct ccgcgagcta gagcgccacc 300  
actagctcta aatctcattc gcgccaacaa cccaactgct gacgtttgcg cccttggtcc 360  
gccgttacta ccagctccgc ctgcccacc acaacctgtg atgaagcgtc tcaccccgga 420  
ggagataacc tcacgccaag aacat 445

<210> 7093  
<211> 355  
<212> DNA  
<213> Glycine max

<400> 7093

tggcgtgaca cttgatcaca cgctccatat atatacatta cgctcttctt gacatatttc 60  
acgcctacac aggcaaaccg aatatgatgg cagaaacgct cggaaatacc atgactttaa 120  
gggggtgttc gattactgaa gagagaatcg aaatacgaag accattatgt gagcttcatg 180  
tggatgtcaa acattctata ttcaactctc attcacaaaa ttatttctta ttattctttt 240  
atcctttaca tcaaacctgc cttaactggt cgaagatctt tttttcttta aatgagcacg 300  
accgtgaaat taaacgtcca attattaaaa ggaaactgat ataattagca cagac 355

<210> 7094  
<211> 417  
<212> DNA  
<213> Glycine max

<400> 7094

agcttgaagg taaactagat gccatgggta acctgttaac ccaactggcc atgaatcaaa 60  
aatctgcacc tgtcgccaga ctatgtgggt tatgtctctc tgtcgaccac cacacagacc 120  
tttgccttc tgtgcaacaa tctgaagaaa ttgaatagcc tgaagcttat gctgcagaca 180  
tccacaacag acctcctcaa cctcaacagc aaaatcagcc acaacagaat aattatgacc 240  
tctccaacaa caggtacaat cccggatgga ggaatcatcc caaccttaga tggtcgaatc 300

cttcacaaca gcaacagcaa caacaacaga cttattttca aaatgctgct ggcccaagca 360  
gaccatacgt tgctccacca atccagcagc aacagcaaca acagccccag aaataac 417

<210> 7095  
<211> 473  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7095

tagttctttg cggctagaac tggggttcat gaagctaagc accagtcacg gcggctaagc 60  
tgaattcctt gcggcactgt aagcgctaag tgagtcctta tcagctaagc gcatacttct 120  
ctatactcaa gatgcatcat tttagctaag ctggcccaga acccggtta gcaacagttg 180  
catcttttct aatctgcaga cctcgctaag cggacttacc cgcacgctaa gtcaagcctg 240  
tgtgctaaaa aaaaaacttg aatttcaaag ttaggctaag cgcacggtgc cgcanagcga 300  
gcattcttga aaaaccaaac gtcacttcca gaaagcaaaa tggcttatgt gaggtaacg 360  
gcaactactc tcacatttgt tggaaactga tgtattgcct gcattcttct tcttgactc 420  
attctccttc attntcgcct tcttctgcat canagcatca acaatacaag taa 473

<210> 7096  
<211> 410  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7096

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aactttgggt ttctatgta ttcatctca aattatttct tcaatcaatc tatagctttt 120  
ggaagctctt caaaagttcc aataatatat acgtcatcta cataagcaat gattatgaaa 180  
atatattttt agattttcct gaaaaatgac aaataagatc attttaatat ctttctttta 240  
acaagtactc actaagtcta ttatacaaca tgggacttga tggctttagt ccatacaaag 300  
tattcttctt gagaatatgc attattggac aaactatttc ctttaaggag ttntatgcan 360  
atgccattat aaatagagtt atataagtaa gatgtaacaa tatccattat 410



<210> 7097  
 <211> 392  
 <212> DNA  
 <213> Glycine max

<400> 7097

tgtaacaaat atatctttta aatataatat gggtcacacc agacatggat gaaatgatta 60  
 tcacccctaga gatctgggta gaatattgca ttacgaagaa cagagaattc atcagctcat 120  
 gggttcattga gacaggagaa atcaccattg gtgttaaagt attgtgtatg ctagtcatct 180  
 catctgtgct attgtacagc ttgttttagct aaagttatct actgttgtaa agctttcagt 240  
 gcaagctagc tctagcctct agtatataaa ctgattactg atctgatcta tcagattgta 300  
 aaggtctcag tgccagctta ctatgattta agcttataac agatatacct tttaaataata 360  
 atatgggtca caccacacat ggatgaaatg at 392

<210> 7098  
 <211> 380  
 <212> DNA  
 <213> Glycine max

<400> 7098

agcttctttg gagaaacttc cttgagaagc tatagcttag gtgcacacac ccctctcata 60  
 actaagcgca cctccttgag aagcttgctt aagaagattc ctaaagatgc ttgagcttag 120  
 ctacacatac ctctctaata gctaagctca cctccttgag aggagaagcc agagcttagc 180  
 tacgcacgcc ctataataac taagctcacc cctatgacaa agaacatgaa aatacaaaaa 240  
 aaagtgccta ctacatagac tactcacaat gccccgaaat acaaggctca aaccctatac 300  
 tactagaatg gccaaaatac aacgcctacg aaggagatac ctattctaata atttacaag 360  
 ataagcgggc tcatacttag 380

<210> 7099  
 <211> 439  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7099

tctcaaggaa gttntctcaa gaaagcttct caaggaagct acctagtcta taaatagaag 60

catgtgtaac acttggtgta actttgatga atgagagtct tgtgagacat attcaaagtt 120  
ccacttctct ccctctttta ttccttcaat ttctgtctcc cccctctctc tttctcttcc 180  
tctttctttt cctccattga agcatccttc caagcttctt atccaaggct catcttggtg 240  
gtgaagctcc ttcttccatg gcttactccc tagtgatgg cgctctctct cacctcttct 300  
cctttgtctt ctgctgcac tccatgatgg aaaatcacta ttaaaggacc tcattgaagc 360  
tcatagatcc agcctccata ngaagcccac aagcaagctt ccatcatata catattattn 420  
tctattactt tnttttaat 439

<210> 7100  
<211> 371  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7100

agctntcttt ggaccttgaa caagcaatca actcctcttt cagaacccatg ctatgtgctc 60  
gcgactggtc cctttcttcc ctctgcaact tgagttcatt attgctaccc catagagctc 120  
cgcgaaattt gttccggcca tactcttcc tgcgagccct cttggtctct ttttcaaggg 180  
ctcttgcggt aattgcattc tcttcccgta acccggcgca ctcttccga acgtgtgtag 240  
cagccaactt gaacttctcc ttggcgagtt ttgcctttcc taactcgctt ttgagagctt 300  
ggacttcttc gtctcttcc ggtgcttcaa aattctcttc gctgacgact tttaacttgg 360  
cgagccaatc t 371

<210> 7101  
<211> 382  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7101

nttcgcanag cttacggtaa aatctgggac ctagccatgg tataagtctc catagaggtc 60  
attgctccc tcgcccagta ttatgatcag tcgttgaggt gcttcacctt tggggacttc 120  
cagctatcac ctatggtaga agaatttgaa gaaatcctag gatgtcctct agggggaagg 180  
aaaccatacc tcttctcagg gttatatccc tcattagcta gaatttcaa gatagtccaa 240

atctcggcac aggaattaga ccacagaaag caagtcgaaa atgaggtggt tggaattccg 300  
 agaaaatatt tggaggcaaa agcaagaatc tatgcaggta aagacgagtg ggccccgttc 360  
 atagatatcc tcacactggt ga 382

<210> 7102  
 <211> 457  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7102

gagctngctt ctacaaccaa ttgaatagga acatttgcct ttggaggcat gggtaaggga 60  
 aagattacta gtataggtaa aatccgtggt cctttcttag cctccataga caacgtctta 120  
 tatgttgaag gtttgaagta taacttattg agcaaagtta agtttgcgac aatgggtata 180  
 ttgtgtcctt caacaaagac caatgtatag tcaagataca agatgacaag tncctattta 240  
 ctactaaatg acacaacaat ctgtatgaga ttgatctgat aggtctaagt aaacaaaata 300  
 taatgtgtct gctttgtaga gaatatgaga gatggatttg gcacaaaata tttgggcatg 360  
 tgaatctgan acatatctca caactttctt aaaaaggaat tagtgaacag acttcctaag 420  
 atttgttgaa actctcatct tctctgtgaa gcatgtc 457

<210> 7103  
 <211> 479  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7103

ngtcagaggt tgaagaagaa gttggtagaa caattgagca aaatagatta gaatatgttg 60  
 ataatcattt atcaatataa ggagaagggtg aacctggctg ctagtcatgg gcagatgttg 120  
 gaagatgaat aggcaaagggt attggctctg caaattgaaa ggggaagcgag agagagagag 180  
 ggtgatggag ttattgcatg ggggaagccat gaaatggatg aatagattcg ctctcactct 240  
 gaatgagagt caagagtttc caaggttggt agccagagcc tatgcagtgg ctgacacgca 300  
 ctcagctccc gacgaagtcc atgggtctttt cgattactgc caacacatgg tcgaactaat 360  
 gaccacata attaggagtc actaaggcat ttgtgttgta tttatgctnt gactctaaca 420

agatgtgatg aaacatgttg ttttaatgaa atanggattg atttgaccct atgttctat 479

<210> 7104  
<211> 472  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7104

cctataaaac taagctttta tccaggctca tcttggtggt gaagctactt cttccatggc 60  
ttattctcta gtggatggcg cctnctctcg cctcttctcc tttgtcttcc gctgcatcta 120  
catggtggaa aaccaccatt aaaggacctc attgaagctc agagatccag cttccataga 180  
agctccacaa gcaagcttcc atcatatacc atgcaagaaa aacaaaatga cataattaa 240  
actgagttgc ctcccagaaa gcgcttcttt aatgtcatta gcttgacgct tttacctcaa 300  
tgggtgaata tccatttgte ctttaacttc aggacctcct taccacctg catcacttgc 360  
aagcagacat tttgatatga cataggctng tcttcttcac atagatcana attgatcttc 420  
tgatcttcaa aacctatctt caatgtctat cttcccatgt caactacaca gc 472

<210> 7105  
<211> 470  
<212> DNA  
<213> Glycine max

<400> 7105

agctggcttc tacagttacg atgtttccta cgatgacagt tgtaaaccga tgtagtatgc 60  
cccagataac cgatgtagaa tcctgcttct ctagtagtga taaatTTTTT atcttagctt 120  
ccatcttatt atcaagtgtg tattgttact aaaaaattaa atataaaata tgaaaattta 180  
aaaatcttgc gtttggtgtg ggaactttca accttggcg atcttggtga tatcgcaact 240  
catgattacg atcttaatga tatcgtaact cgtgactata agtgcatttc cataatttag 300  
aaattataat attcttcaat cattcaaatg acacttgttt atatgatttt tgaaaataag 360  
agatcctttc aattggaaaa caaatagagt ttaataatta gaatatttat ttttattgga 420  
aattagcaat tagatattaa caaagaagaa aacacttatt atataataac 470

<210> 7106  
<211> 438

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7106  
  
 nntgaaagac ttattagttc ttttcggtct tgctttgggc attgggtttc attcattaca 60  
 taagatattt gaagttagt gacctttgct ggatcatatc actttcattt cgatttagtc 120  
 ctatagtttt attttatttt agttcttatt gacaagtaat agtggttaact aataatgcta 180  
 cagtcattga caatttattg aattgtcaca tctcaagagt cagacaagggt agtcgtgtgt 240  
 aattnttttt tttgtaatct atacactntt aaattttcat ttattcaaaa tagtggatga 300  
 cgttaaaacta gctaggggaat tttttattag tcgatgttag ttggttagttt ttttgtagt 360  
 agaaggattc gaaccaacaa catcttcgtc atttctttct ctcttcacca ctaaaccaac 420  
 tttatgacgt ccaattag 438

<210> 7107  
 <211> 357  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7107  
  
 acagaataat ccgaaaatgt cagagaattg nggtgtgaat tagcataaca agactttctg 60  
 tgattggttt aaagatacaa tctttgcaga tgagaatgct taagaaacat taagatagct 120  
 atcagatggg cctaaaagaa atgttataac ctggcaaaga tacgacataa acaggatttc 180  
 attttacaca aaagcacaag atgacaaaag tacgatgcag aacagtgggg ttaccctaag 240  
 ggctgaatct caacactttg caagtgtcaa tgacgccaat ccttggttag ctccatccc 300  
 ttactatggg ttcatagatg aaatttgaga gcttaactat gtgaaattac gtgatgt 357

<210> 7108  
 <211> 354  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7108  
  
 tgatatattc gatggactca tggtcactat gaatgacaaa ttccttgnga taaaggtagt 60

gttgccatgt ttttgatgag gacatgacca agagcaaggg caaggatcca cttgaaggac 120  
 ttggaggacc tatgacaagg gctagagcaa ggaaagccaa ggaagctctt caacaagtgc 180  
 tgtccatact atntgaatac aagcccaagt ttcaaggaga aaagtccaag gttgtgagtt 240  
 gtatcatggc ccanatggag gaggactaaa tgacaccact ntgtctcaat ttttagagtg 300  
 tttagtttgg ctaaataatg gcccaatcct tgtaaagttg gctgaccaa aata 354

<210> 7109  
 <211> 320  
 <212> DNA  
 <213> Glycine max

<400> 7109

tatgaccatt cgaatatctc aagagcttcc gctgggtctat gtctagcgtg tagatgaggt 60  
 atgtccccga ctctgacatg agcgtgaaaa gatgtgacca ttctattgtg tcgagagctt 120  
 atgatgttca gtttagaacg tctcgatata ttatgagacg cgcactctgac gtgaagttag 180  
 acaatccctg atctcttga tattttccag agcttccgga gattactttc aagcgtatag 240  
 atgagctatg gacacgaacc gcacattcca gtgaaaactt gtgacggttc gaatttctcg 300  
 agagctttcg gtggccaatt 320

<210> 7110  
 <211> 467  
 <212> DNA  
 <213> Glycine max

<400> 7110

tgttcacatg tgttagcaag gtatgccact cttgaactga ctgctggtaa ttctctgccc 60  
 tcttttctct tcttactatg gaaagcctgc cttacaggcg gcttcttaac acactcttaa 120  
 ccatgcaaca ccattactg gttgacaaag atgatacata ttttaataagc ataattgagca 180  
 tcctatccta tataactgga tattaataat tacctaactc ctctgccgtc attattccaa 240  
 acccaatggt agaaaataaa atctcggaga ccttctcaga ttatgataca cagcagcagc 300  
 attattaaaa ttgttaccat ctctatacat ggcatgtatt cccgtacgat atacaaaaaa 360  
 gatattgata acacatggta tatgctagta acgtcccgtt agtggttaaca gagactctag 420  
 tcactagaga acatcttga gaacacatta acacagagaa ctccatt 467

<210> 7111  
 <211> 475  
 <212> DNA  
 <213> Glycine max

<400> 7111

actaagctta caagggaaga taacacctca ttcataatttg gtcgatgttc aagatctggg 60  
 aggggtgcagc acaatgataa cttaatgagc tctggcaaca cttcgatcatg gtcaacatcc 120  
 caggtaaaca aagggtctac aatattggca agttgtttta ttccattttt aagggtcttt 180  
 gtcactactt cacgcaaagt gattggcaaa ccatactctt tttagagtcc tgcgggcctt 240  
 ctttttgtta gaaactccat tactatgaca ccgaagctga acacatctgc tttagtgggt 300  
 actttctctca tgtaggcaaa ttctgaaaat tacacagcat aaatatcttg tttagagagt 360  
 gaaacttata aaaactctcg ggtatacaat gttaataaga taagaggatt cgaaacatag 420  
 tgacaaaata agacgttggtg taattgtgcc agtcttggtc atgctacctt ctctg 475

<210> 7112  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<400> 7112

agttttgaat tgcaaaacgt agcagttggg ctaagcacat ctccaccgct aagcgtagtt 60  
 tcagcgcgct tagcgcaacg gagaatctag cagagcatta tcatcaaagc cgcacgctta 120  
 gcgcgagatc agtgcgctaa gcgcagaagg ttccttcagc tatgctaagg tcgagactgg 180  
 tgctaagccc aatttcactt actcgcgcta atctcgaggg tggcactcag cgcaacatcg 240  
 cgatttcaag cctattaaag tct 263

<210> 7113  
 <211> 475  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7113

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<223>      unsure at all n locations
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3045



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gagtatctaa ctatgaatag agacatgcta ggtcatttnt aactntctct ccctctcagt 360  
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 <213> Glycine max

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<223> unsure at all n locations  
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<223> unsure at all n locations

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taagcttgag atgttcacat atccctttca agatcttttg atttggagat aatttttcct 240  
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<211> 340

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7121

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gtacttctct gaatgtagat cgaaagtgcc tccaccacat tcccaaakat gcattatatt 180  
attctttaat ataacataaa tgttaccgca caccatttgc acacaaatat tccgcattaa 240  
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<210> 7122

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

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acccctcttt tacacatgca ccttatctcg ttgtaggcct agcccttttt acacatgcac 180  
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aataaatatt gctagtcaag ttccctcaat tacacatata cctgctttcc tttgggccta 300  
 gcccattttt gttaattntg aaataaaaata aaaaattcta tttacacctt ttcttttgta 360  
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 ttgtattctt ttctctccat ctggcgagaa acctaaggta ctaaaaggaa aatgatgatt 180  
 tggttgagga agaatacaaa accaacagtt cctcagactc atcaattccg ttgtttatca 240  
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 tattggtatt ttattaagat ccctagaata tcatataatt ggtatcagag ccaccattac 360  
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 <212> DNA  
 <213> Glycine max

<400> 7124

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 gcgtcccaat cacactgtca caaacattgt tctccacatg cataacatca atacaatgtc 300  
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<210> 7125  
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 ccgtttcttca agatccatcg ttctttcttc gtntcttca gtcttcaacg ggtaagtacc 240  
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 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7126

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<210> 7127  
 <211> 444  
 <212> DNA  
 <213> Glycine max

<400> 7127

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 <213> Glycine max  
 <400> 7138

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 actactttca aaaaccaaga gatcattaat gggccaatgc cttaatgttt cctcccttc 120  
 aaaagaatca aaaggtctgt caaatgggtcc aactccttaa acgaatttag cttaatcaaa 180  
 atatatcttg gcaaacacaa aaacaactta actaacgttc agatctcgaa gaactacgta 240  
 ggtctgattt ccttatcaca atctaggaat acgtaggaac aacggaaaca ccct 294

<210> 7139  
 <211> 447  
 <212> DNA  
 <213> Glycine max

<400> 7139

tgcaggtgct gctactggtg gaggcacttg aatttgcttg ccagaccaca aggtgatggc 60  
 . actcacattt ttccgattct gcacagtttg tgaaggcaat ttgtcaaaaa tttgggactg 120  
 agcttggttc aactgagtag ccatctgccc catctgattt gttagactct gaatagaggc 180  
 tcttgtctct tgctgaaatt gcatattctg gatagtcatt tgcctcacta actcttctaa 240  
 ggaagggtga ggaggggcct cagttgcttg ttgtctttgc tgttgctact gctgtattgg 300  
 aggaggaaca tgtggcttgc ttggaccatc aacattctgg aagggaggga caagctgttg 360  
 ttgttgtgga cgacttgccc atctcaaaat tggatgatc ctccaacctg gattgtatct 420  
 gttgcttgaa agatcataat tattctg 447

<210> 7140  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<400> 7140

agcttgtaca ctgcatggga cctctctctt atctctttat gatactgtat aatgtgcatc 60  
 cgttcatttc tcagccattt ccccatatct atatacgcca gtgagagaca gacatttact 120  
 atccttgtgc cattaccggt tggtagccat attcacaaga aatatgttac ttggaacgcc 180  
 ttctgcttga tttatctaag cagattagaa catacatttc ta 222

<210> 7141  
 <211> 418  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7141

ggagcattcc aacgacgacg ttaacgtggg cttccccaaa attaactctt ttggcgattt 60  
 agggcacgcc attgttggcc ctcttgga gctattcggt gatgtcatga tcgtgttttc 120  
 tcattgcggt ttctgcgtca gctaccttat tttcatttcc accacgttgg cctatctcgc 180

cggtgatgat gacacctcat cagcatcatg gtctctcttg ttttgggggtt tcgccacgcc 240  
 aaaggtgttg tttctgtggg gatgttggtcc ctttcaatta cggctgaatg ctatcccaac 300  
 attgacccat ttggctcctt tgagcattat tgctgatttt gttgacattg tagccaagag 360  
 tgtggtgatg gtggatgatg tctntgtgtt catgaagaat atgcctcctt tgaaagcc 418

<210> 7142  
 <211> 415  
 <212> DNA  
 <213> Glycine max

<400> 7142

agcttgatag ataagtgtaa actctctaac tgatgtacaa gaatatctac cataaatcgt 60  
 gacaggcatt gcactttact aaaattcaac tgaagtacca caatgtcaac cataaattgt 120  
 gaaacatctt tctcatcaga agtagagaag gaatgtcata caagaaacac caacgagtgt 180  
 ttgtaacaaa atcattgaaa aacaacacaa aatgagtgtg taacagagat· tattaatttg 240  
 caagtcacat tgtcagaaat aaatatcatg aataataggg gaacctttat atgttcctca 300  
 actgatgtgt agacttatat atctctccaa tgtgcacaat gctcctaaag ttcagctcta 360  
 ctctatatgt gattgtacta tttcttcgaa ttatcatttc ttagaaatgt atgat 415

<210> 7143  
 <211> 411  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7143

tgaagtggat gctntaatgg agganaagaa agacatattg gggagcacga aattgaagga 60  
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 gttacaataa gtgttacaaa tgcttctatt tatagactag gtagcttcct tgagaagctt 180  
 tcttgagaaa acttccttga gaagctttct tgagaaaact tccttgagaa gcttctttga 240  
 gaaaacttcc ttgataagct agagcttagc tacacatata cctctcataa ctaagctcac 300  
 ctcttgaga agcttcctta agaagattcc taaagaagct aaagcttagc tacacacacc 360  
 tctctaatag ctaaatacgac ctcttgaga tgagaagcta gagcttaact a 411

<210> 7144  
 <211> 402  
 <212> DNA  
 <213> Glycine max

<400> 7144

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agcttatatc taggacagcc atcatgcttg ttgcaagcat ttgtagagg taaagagtga 60
aggacaaagg tttctacatt taaatataca ctgagctgct gttctcgcta cttagattgg 120
gattgcttat gctattgcat tgtaagtagt gttcacaaca tcgtaaggta attgtcagag 180
ttgttttgaa ttttattttc cactgtttct tttggttcac attacaccac acaactagga 240
ttaaacttcc ctaatagcaa gaatctctat attcgtagtg ttcaaattccc ttgaacccta 300
cttctcttat aacatattga gtgcctaggt tataccccac ggcttgtatc caacataaca 360
atattccatt tatactgcca taattttctcg gattactgct ca 402
```

<210> 7145  
 <211> 454  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7145

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tctcggtca tactgggaat acctctagtt caacacccgt gctacctaag gcaccacccc 60
agagggaagc tccccaggt ccaactccga acacgactcg accggccggt aattccaaca 120
cgacaaggaa cttccctccg aggccatttc cggaattcac cccactcca atgacgtacg 180
aagatcttct gccatccctc atcgccaatc atttggccgt ggtaactccc ggaagggtcc 240
tcgaaccccc tttccgaag tggatgacc ctaacgcaac ttgcaagtac catgggggtg 300
tcccggngca ttccgtcgaa aaatgcttgg cccttaaata caagggtcaa catttaatgg 360
atgctggatg gctgactttc caagaggatc ggcccaatgt gagaaccaac ctgctcgcca 420
atcatggagg gggagcagtt aatggcagtg aatc 454
```

<210> 7146  
 <211> 416  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7146

atcctgactc accatanacc ttgaccagg gtgagaatgt caatccttac cctcggaagc 60  
 aaaaaagaa tagaggggaa atttccaatc aaagaacaag agaaggaaaa tttccaatga 120  
 aagcaaaaaa agaaaagaag gaaaattccc caatcaaaga gtgggagaaa gcaaaaaaag 180  
 aaaagaagga aaattcccca atcaaagagt gggagagagc caaaagaaaa gaaaggaaaa 240  
 ttccaatca aagaatgaga gaaagtaaaa aaggaagaag aagaaggaaa gaaagctcct 300  
 gatcagggat cgaaggataa acagaagaaa tgtgcagaga ggtctctgga ccggacaata 360  
 tatgaacaat acagaattgt caccaaata aaaaaaaga aggaaaggaa accacg 416

<210> 7147  
 <211> 459  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7147

ctaagcttct tataagttga accattntat caataaacac aagttgagtt ttattcagag 60  
 aattagagtt tatctctttt atcttagtga gagtgattct cctaaattct tgagtgattc 120  
 aagaacaccc tggctgtatc aaaggacttt cacaaccttt gtgtgttgcc ctcgctggaa 180  
 agagtgattc tttccttctt ttcattctca cccttggtct ttcaaaccac aattccagaa 240  
 aatccacctc tgcccagaat tatctcgtgg ccataactcc cattttacgc actcaaatta 300  
 agtgattctt gagcctaaat tgactntcaa aacgagacct ttcacctcgt tttggaatca 360  
 cctcatttgg agccctgtag ctccagttat tgccatttct atatttctgt ccagccacca 420  
 cttaacctac attntaccat cccattcatg cattttatg 459

<210> 7148  
 <211> 430  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7148

agctttaaaa attgaattaa aacgttcaat aactgctggt aatcgattac catatatgta 60  
 taatcgatta cacaatgcaa attntgaatt caaattttaa tagctgttgt aaatcacttt 120  
 tgaccactgg taatcgatta catcctctgg taatcgatta ccagagagta aatctcttga 180

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<223>      unsure at all n locations
<400>      7149
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<210>	7150
<211>	465
<212>	DNA
<213>	Glycine max

```
<223>      unsure at all n locations
<400>      7150
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3060

tgagttctct gcagccatta caccacaaca gaatggcata gttgaaagga aaaacaggac 360  
tctgcaagag gctgctangg tcatgcttca tgccaaagaa cttacctata atctctgggc 420  
tgaagccatg aacacagtat gctacattct acacagagtc acact 465

<210> 7151  
<211> 265  
<212> DNA  
<213> Glycine max

<400> 7151

aatcggtggt ctgatttgtt cccataggat atcgagatgc tcgtagttga taacggaagt 60  
tctgatacaa atcaaacgac aataactgtt aactcggatg tactattgag ccctgtaata 120  
tgtcgagacg ctcataactg acaacggaag ctcttagaaa agtgaaacga caataactat 180  
tgactcggat gtgcgatatc gacctcgaag atatggagac gctcgtaatt gaacatagag 240  
gctcttagca aactcaaacg acaat 265

<210> 7152  
<211> 104  
<212> DNA  
<213> Glycine max

<400> 7152

attatttaat attgttgggt gcaccaccaa tgttgctggg tgcacctaca aaagacccaa 60  
ctgcaatggg agatgttgga ctaagaggaa ggaacggggc tgaa 104

<210> 7153  
<211> 276  
<212> DNA  
<213> Glycine max

<400> 7153

ttctcagat ctgtaacaag ctatgaacag ttataattta gtcttgattt aactgtcttt 60  
gggcttggcg gccacgtca acaaagtact ttcgacacct actgtacgtt gatttcacca 120  
atgctgttat gggaatgttg cgacaatcct tataaacctt attgatacat tctgagaaga 180  
cacgtgtcat gaggccatat cgacaggctt acctatagaa accatcttcc atatttcctt 240  
tgagatgcga tctatccatg ttgctatagc tggact 276



<210> 7154  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7154

agctcatgct ttttcccaa gctgtacagt ttattatattt aaggactgtt ggcaagtgat 60  
 agtatgatgt agtaaagaaa catgcataat gagattaaag tagtggttac tagtggtaat 120  
 tacagtatat atggttgata actggagagt aataaaccta gcgagggtgta atatatcaag 180  
 tgtgatagaa aatgtgttac tagcatttca catatactaa ttacagaaaa ctacttatgt 240  
 ttttattcaa gttaattagc tattactttg tatgtggcag ttctttcttc tgtgtatggt 300  
 gagtggctgt agcatatgtt ggttcaacac agtatgttnt gttctctgca ttaggaattt 360  
 cccagttaac agacccttg cattatcact cactgtgagt gtcaatgggtg tgagtgcagc 420  
 actctacaca c 431

<210> 7155  
 <211> 467  
 <212> DNA  
 <213> Glycine max

<400> 7155

tatagttgag accatatcaa ttgtctacac accccacact gtgtcttatt caccatatgg 60  
 aatagaattc tttgcagtgt acctcagatc atgtcagaca ttaacacaga agatgttgtc 120  
 cttgattggt ttaatttaag ttgaaattaa gaagcataga gatggtacag acatgatcac 180  
 aaaagatgca cccagtagca tggcaaaatc taatatacta accactaagg aatcgaggac 240  
 acaacacatc atatacaa atagatatgt aggtgtgtgc atatgtacat gtgtgtgaag 300  
 tgaactgtga aggtcaatct tatgtggaaa tgaatagaat ttacattatc agatttgtca 360  
 taatggacaa gactaataca tcaagtcata ttacatttta gaatgctcat acacaacgac 420  
 ttgatgtttt aatctggaag ctcatcatgt gtacacgtct aacaatt 467

<210> 7156  
 <211> 450  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7156

ntgagggtgt gtagccacc atcttttcat agtagagtat cgataatgtg tctaccatca 60  
cgatcatcgt ctccctttcc atcattgggg gtaccacctg ngccgccaga tccctccacc 120  
ttttgggcgt gttctttgaa agatctgtcc ccctttttgc aaatgttctg tagttgcac 180  
ctatccggaa ccatatcaaa attgtactga tactgcctaa caaaggaaac cattangtcc 240  
ttccaagaat ggactcggga agattccaag ttagtgtacc aggtaacagc taccacagta 300  
agactttctt ggaaggaatg taccagcaat tctcatctt ttgcgtattc ccccatcttc 360  
tgacaatata tcttttagatg gttcttgnga caagtagtcc ccttgtactt gtcaagggtcc 420  
agcaccttga acttgggagg ggtgatgata 450

<210> 7157

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7157

tgngaggatn gatgngacc tgggtgtgag agaaacgatg atatgagcta cgtgggagta 60  
cgtgagctca gttggagggt ggcaacaggg gatggtgggt ttatgcgcgc attgtggatg 120  
tggaaaactt attgtgcacc atcgcccgac cgccacctag taccatatgt gatgggtacc 180  
ccataatcct acaagcttga gatgaggaag tggtgaacgg tgaaacttcc tgcttttatt 240  
gttgaccaca gagtgggtacc tggagatatg tcgcggnggt caggagacct tgtggacgtc 300  
aggtgggggtg ctattgccc aaaccaagct tgaccaatcc cgaccaacc cgggcatagt 360  
cggatcaatga gaacctgtga tgtacctaag cagcgagct ccctgcagtc aacaga 416

<210> 7158

<211> 335

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7158

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tatgcaagtt gaaagccttg gaggatagag gtatgcctat gttgttgtgg atgatttctc 120  
cacatctacc tgtgtnaact ttatcagaga gaaatcagat acctttgaag tattcaaaga 180  
gttgagtctt agacttcaaa gagaaaagga ttgcgtcatc aagagaatca tgagtgacca 240  
tggcagacaa tgtgaaaaca gccgggtcac tgaattctgc acatctgaag gcatcactca 300  
tgagttctct gcagtcatta caccacaaca gaatg 335

<210> 7159  
<211> 460  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7159

tgcenata aagaaaggga atagattgaa tctagtaaga tgcattaagg atgaagaagg 60  
aaaagtattg gtcagagatc aagatatcaa agaaagatgg gagaaacatt ttataagctt 120  
ttcaattatg gacaaaggat cagcttggaa gtgaagacag agcatatgca ttgcaatttt 180  
agcaagaggc aagaggagta tgacttggaa gtgaagatgg gagaagatgt cataccacat 240  
gttactaagt ttaaatatat gggatcaata atataatata atatcatgag gaaattaatg 300  
aggatgtcac acatagaata caagcaaggt ggtaaataatg gagaaaggcg tcaaggggta 360  
tttgtgattg caaaatacca actttaaatg caagttttgt tgtacagcaa tagtttgact 420  
atactctatg gtagtgaatg gttggtttag agggacaata 460

<210> 7160  
<211> 261  
<212> DNA  
<213> Glycine max  
<400> 7160

agcttgacaa tattctctat tggcatgcat tcaacaact ggatatccca gaaagctaga 60  
ttgagtcatt cttggagcaa ctcatatgct tcttgagtga gacaactaaa atgatgggac 120  
acaccaactt gtaaccact taagttccaa gaccatcatg atcaagtatc aatactctca 180  
cttcttataa tatattaatg tgggtgacttg cacttagctc cctaaaataa tagatatgag 240  
actagaaggg gggggggggg g 261

<210> 7161  
 <211> 478  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7161

gggagaggat gcttcaatgg aggaaaagaa agagggagag atttagggag ggggagcacg 60  
 aaattgaagg aagaaaaagg gagagaagtt gaactttgag ttgtgtctca caagactctc 120  
 attcatcaaa gttacaacaa gtgttacaca tgcttctatt tatagactag gtagcttcct 180  
 tgagaagctt tcttgagaaa acttccttga gaagcttctt tgagaaaacc tccttgagaa 240  
 gctagagctt aggtacacac acccctctca taactaagct cacctccttg agaagcttcc 300  
 ttaagaagat tcctaaagaa gctagagctt agctacacat acctctctaa tagctaagct 360  
 cacctccttg agatgagaag ctagaactta gctacacanc ccctataata actaagctca 420  
 ccncatgac ananaacatg aaaatacata naaaaaagtc cttactacaa agactact 478

<210> 7162  
 <211> 456  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7162

agcttgactg gccacttac atcaaccagt atattagcac acttgatata cctttaaaat 60  
 agaataattg aatcgaaatg ttcagaatgt agcaaataca tgcaaattca agatatttaa 120  
 gaagtcaatt tccaagcact gcgtccaact ttcattcttt gtaatgattg aaagtcaaac 180  
 atttttcact gtctgaataa aatctgttaa agcaaaactc tgcttcccaa gcggagaatc 240  
 atactcagta tctggttgct cacctatggt ctcaatataa atatatgtgc acatagagct 300  
 ataacataatc ctctaataa tgaacataaa tacaataact atgggtaaca catgactaga 360  
 atgctaactt gcaagagaga gaagtctatg ataggaacta atgcactatc tactcctgat 420  
 actatgaaaa ntnnttacia aatatgtgtc tataaa 456

<210> 7163  
 <211> 330  
 <212> DNA

<213> Glycine max

<400> 7163

aatctgacct tcttgatctt cttcgaggta accatgattt ttagcttgct ccttgggagt 60  
ttaagcttat ctttgcatct tttctgactc tggaacacat cattgtacgg ttacgcttc 120  
cttcgaaaaa acttagagaa aaagactttg ttaaagttat ctctttatga aatggatggt 180  
atattcgtga ccttcactga actctgggtc cattggcatg atcgaaattt caaaatgata 240  
ttccttttcc tgagatgcga aacaaccctc atccctttca ttaggggaca tgagtatttg 300  
actcagagta ttgtgatagc tctatttctg 330

<210> 7164

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7164

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ttcacccgac gaagacactg acaaaaaatt atcttctcct tcttggacaa agtatggcag 120  
gctgggggca agtaaatctt cttcccatca gaccttggat gcaactgtgc tcttataccc 180  
atatcaacta gatcttgacg ggtattcaag ccacctctcg tcttgccttg aatgttaagg 240  
agcgtcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300  
ctaattgtcaa gatcacacca gtacggaaga tcaaagaana tggacctctt ctcccatatg 360  
caactctgac ttttatcctt cttttgggtc ttcccaaata cagtggtcag ggtgtgaacc 420  
cgctgatata cct 433

<210> 7165

<211> 424

<212> DNA

<213> Glycine max

<400> 7165

tattacgagc tttcatcctt ctattatcat tatgatggag actcatcggt tgttcaagac 60  
tattgcaagg ttatgtaaca ttttgggtta tgaaatatgt cacttacttg aagccaatgg 120  
ccatgctaga ggtatttggg ttttgggtga gataaaatag ggacttttct atcactaatg 180

tccattcttt gtcccaagcc ctgacagttc atatgtctac gaattctcaa tcttggatct 240  
gcacgacact gtatgaaaat cctcacacgc ttctatgttg ccttatggga tcatattgct 300  
gatgtcaaac aatctataca tcttctctag tggtctgttg atgaacggac tgagattttt 360  
cattttgatg agcacggagg tagcttctgt ggatgatgct tctacgtca tggatatgat 420  
cgac 424

<210> 7166  
<211> 414  
<212> DNA  
<213> Glycine max

<400> 7166

agcttgacca atcctgaccc aaccgggca tagtcagtca gtgagaacct gtgatgtacc 60  
taaacaggcg agctcctggc agtcaaccga taaaagaaca aagaccacaa agcacggagg 120  
tttgtgtggt ggctggccag ctatggatct tgagtgatat ttgggatatg gcctctggta 180  
atcgattacc aagggtgggt aatcaattac aaggcttaat agtgaagaca gacagttaag 240  
atggtctctg gtaatcgatt acaaaggagg tgtaatcgat tactacgcct acaaagggga 300  
ccaggaagtc aagatggctt atggtaatcg attaccaaag ggggtgaatc gattaccacg 360  
cttagaagtg gaactggaat attgaggggg cctctggtaa tcgattacca atgc 414

<210> 7167  
<211> 423  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7167

tgaagctcaa ggaacaagga aaagnttgaa gaagctctat aatatgttnt ggcttttaca 60  
tgccctaactc atttgagtgg catttgtatt gggtgttaac tctgattgtt gcactcttagc 120  
acatttgata tttgtttcgc attgtgcac atcatagtgt gtgtgaagga aattttctaa 180  
gttagaaaac tttcttcaaa ggcaaaaact ctttgtatta atcgattata gagttgtcgt 240  
aatcaattac aacaggctgt ctgaagcttg tagagttaag tctcgtactg gtttaatcta 300  
ttacggtagt aatttaatcg attacattgt tggttgagac aatgattnga tttttcaaga 360

gtctctactn taattgatta ccaagtagaa taatcgatta cttctctctt gtttaagttg 420  
 ttc 423

<210> 7168  
 <211> 387  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7168

tgcgcāatg actctacgaa cgctcacttg cacaagacat tctattaacc gatataatgc 60  
 acccatatac aatcaaggca gctgtgttac ctaaattatt tacacgtact gccaaaggtgt 120  
 attcgggtact tacatcacac acatctcctt ggctaaattc acatacatgc atactccaag 180  
 cattttgggg taccaaaaat tgcacatgtg cacatcttgg tattttctaat acctatacat 240  
 acacaaactt catgatgaat cttgactatc tacacaataa ggtgctacat ttcatgccct 300  
 ttttcaagct tttgctacct aaagccgcat gcagaatgca gcatattggt cttcgctgac 360  
 taanatagta ttcaaattat atatata 387

<210> 7169  
 <211> 440  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7169

tatgcagatt cataaacagc attctcttcc acctacatct aaatgctagt tctttatctt 60  
 ttgagaagag agtaatgagg ttataaaaata gttctaattt acaggaacat catacacatg 120  
 tgagataata atggatttac ttagcattca tgaagctatc attaaagctg ttatcatatg 180  
 aacagaataa ctttatgtat gacataatat tgtttaagaa atggaagaca aagtcttaac 240  
 ttacacattt ttcaagccca actaggacca aggatcaca ttgtataatg ccatacttct 300  
 tcgaaaactt ttgcctacaa gcacaaaaca gttttttgga attacaattg ataaacaagt 360  
 gtgataaagg aacttccatg aatcccttgc atacctactc tatcaaaata tatcatcggt 420  
 cacatnttta aacatctacc. 440

<210> 7170

<211> 151  
 <212> DNA  
 <213> Glycine max

<400> 7170

cctgtctcct atggcgatta gtcacagtg tacatatctt ctattcgtat ttacgagttg 60  
 tcgtctctgt ccgttcaaag attgatctga taatctcatg tcttcccaca cggagattaa 120  
 catcatcaat ccttctgtgt ctggataggc t 151

<210> 7171  
 <211> 469  
 <212> DNA  
 <213> Glycine max

<400> 7171

taatcgtaaa agtaaaagct aaagaagatt caactaattt agactccaat taactcttat 60  
 ttctattaat ttgaacataa attgaacaag taatgggtata tgtaaaactga aattctcata 120  
 atagaatttg tcttttgtca tttcagacta tcagcaactc tttattcttg ttcctaatt 180  
 actagcacca aatccttgca gcatttccat ttcattgaca cgagtgcagg gcttcagacc 240  
 ttcagacgaa gtcttttagg tacgtgggac tcacaatcct ctttttagtt ttactcacta 300  
 attgcacctc tttgtttggg tgggtgtacc ctgttggtgc tacagtagca tcttcttggt 360  
 gacttgctat gttatccctt gtatttcatg agctgtcact tgccatattc tcgtagtagt 420  
 tgtaatgatt gactgcatta taaaaaacta gaaagcaact gtgtgtctt 469

<210> 7172  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<400> 7172

agcttaggtt aaattagtct aaactttggt aagctattta agctgagtct agtccaacaa 60  
 gagggatctg aggacaaaac ttagtgtaag ttagtctaaa cctaggaggg ttgtctaaat 120  
 tgagcctagt ccaacaagag ggatctgagg acgaagcttg gattgattca ttctaactag 180  
 ggatcaagat ttagtaatcg aggctataac atagaacaca caagcatgat tgattagaga 240  
 aacatcttta tatacatcag ctattttggt agatagacct aacaccttta cctactgctg 300



tcaatcttac atacattgca ttttactatt cttagecctat acttagttta atattgttct 360  
 aaatcatcaa ttatcaatgc ttctttcaat aatgccttgt tgctgaattt aatcctatct 420  
 aatactagtt ccctgagttc catact 446

<210> 7173  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<400> 7173  
 aagcacgtta agaactctat tccagtagaa acgttgtttc tacttcaaaa ccctttgaac 60  
 tacttcacat agacttatct ggtgcctcta gaactatgag tttgggtgcg acttactacg 120  
 gcttaggtat agtacacgat gacctccgat tacatggact gtggttttga acaccaatga 180  
 tgaagctttt gacggggcct gcactcttgc ccttgctctt ctatat 226

<210> 7174  
 <211> 494  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7174

aagtcacctg ccgcatgcaa gctctaagca agcatatagg acttgatttc cctctntttt 60  
 ctcttctctn tcaccaatat taagtcaaata aggcttactc aaagttttag gaattntaag 120  
 gaagcattac gaaagcctcg gaagctccgg aaaccatttt ccaacaaaac gtggaggatc 180  
 ttgataagtt cccccccccc cccctttgct aaatgcactc atttttattt acacacccca 240  
 ttttgctaaa tacactcccc tttgcccctg ttttgctgat tctttttcca taacattacg 300  
 gaactttacg aattacataa cgatacttgt tttcttttcg caatgtcacg aaactttacg 360  
 gattatgcaa ccatcccctc tntgactttt ggaatgttac ggaactctac ggattgtgca 420  
 ataatgctta ctttcgactc ccgacatgtc gcggaacttc atagaatgcc taacgatggg 480  
 tgtcacgttc ctcg 494

<210> 7175  
 <211> 411  
 <212> DNA  
 <213> Glycine max

<400> 7175

atttcaattc tgcctgacaa ataataaatt atgttttatt gttagtaaata tataaatttt 60  
ggctactaaa caaaatcaaa gaagaaaact aacatacctg.aatatcctcc tatatcaaat 120  
tcttgcatcc cggatacaaa ggcttctttg aatcactctg caatccttca tacatagggg 180  
catgtgcttg ctaaaaagac tcttgtccaa ggtcacgaat catatcctcc aagcgatctc 240  
ctatatgtac atcaaacggt tcagattgcy acccactttg catgtgtatt aattcaccat 300  
gccatatcca cgtcgagtaa ttcttcttaa tcccatcaca caatagatgc tcccacatgc 360  
cgcccagtaa ttgtgtctt acattcaaac aattgatgca aagacaataa t 411

<210> 7176

<211> 448

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7176

agcttgttca accgaccgag gtagcatgag atggcagcaa agaggagaaa caattttatg 60  
gtgattcata cataagttag aatgaaattt caggtaatca taaagaggaa gaggtcacgg 120  
aaacgaatgc ggatgcaaga ggttttacag gcaacaacg cttgttggtg gtagctaaca 180  
ngttgcctgt gtctgctgtt agggaggggtg tggagtcata tcgccttgat atcagtgtag 240  
gagggctagt cagtgcactt ctaggcaaga aaaattttgt caccttgcac taattgtttt 300  
ttttggtgtg ttttggttaatt ttgtttcttg gtgaagttgt aattgtaact cagctatgct 360  
aattagttat cttnaattgt tgatgatctc accatagagg tcacaacaat gatagttatc 420  
taatcttcgc aacattctaa taataatc 448

<210> 7177

<211> 448

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7177

tggtcttgag aaatgctgga aagccagata caccgagatt aataatgaaa tcacagcacc 60  
ttcttttgta tacctgagga agaaagatgt tgaagcattt tattttactt ttgaaaaag 120

gtataaagag gctgacagcc caaagtccca aaaagatgga cttgcttacc ttaatttcat 180  
 agcctcgtag ggagctacca tcagcaagag caatgccaga aatggcaact caagttcacc 240  
 tagaaatgaa aaagacccag aagaaaatgt ttctttcctt caatgttcaa tcattatcca 300  
 acaagtacga aaaacaaaaa acacaactta ttgttcttat tacactccag aatcaggatt 360  
 ttcttttctca tgtttcgcag ttatatacaa gagaagatat agagcccagc ctgaggttcc 420  
 tagagaaatg ctntgantac accaattc 448

<210> 7178  
 <211> 472  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7178

agctngtagg actnntggca agcgtaccaa ttgtcgttgt aggtttcaca ttataaaaa 60  
 agagttcgtc tccacaggga cttgagttta cttaattcat tcggataaag gttatcagtt 120  
 caacagttat gtacaaaattt aattaaatat cattagtttt gttttgacta actaaagaca 180  
 acttaaagta aaagaatagt gaaaataacg gaatcacgga ataacagaaa tacggaaaat 240  
 atggaaatac gaaaataaca aaattcagtg tctcgaaaat atgtaaatta cataaataat 300  
 aattacgact tanattaatt caagaaaaca taggattgga ttcatcggtt cataccctta 360  
 gtatcctagt aagattaaca tctatgaatc attttccaat attactgatg cacacattaa 420  
 gttatcctaa gtcaatccct cacacttgga acctaagaat atntactaaa ca 472

<210> 7179  
 <211> 475  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7179

ntgttcaata atcagggcat ttgttgacaa aaaataatat ttgttaattg aagtaaaagt 60  
 atgatataat ctaattcgaa aacagtaaac gcaagcaatt aaaagtgaca acagtgggtt 120  
 aaaagcgttg ggtcttccta ataaacgagt tgatgcatat aaagatattt ctctaattta 180  
 gaatgttctt gtgttctatg ccgaagacta aagtactaaa cctcgatccc tcacaagttt 240

agactaattt aagccaaact tcgttctcag atccctcttg ttgaactagg ttttaattcaa 300  
acagcattat actcacagca taagacaaac taaaaccctg cactctatcc ctagtaatgc 360  
agntatctag ccttgcctta tcaagttcta aggaaacagt acacttccca gtgctaaagt 420  
tccctaacaa tacacactag tgggtgaata gacaaaggca tgcaacaata aagca 475

<210> 7180  
<211> 416  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7180

agctntgaac aatatacttg tccttcattt aattgtcttt gggcttggcg gccacgctca 60  
acaaagtact ttcgacacct actgtacgtt gatttgacca atgctgttat gagaatgttg 120  
cgacaatcct tcaaaacctt attgatacat tctgagaggc tggttgtcat gtggccatat 180  
cgacatcctt ctctatcata agccatcgtc catttttctt ttgaaatcca atcaatccat 240  
gttgctatgg ctggacttag atgacgaaat ntttctaaat tttgaaaaaa aatgtgcttg 300  
caaggagtgt aggctgcata aaattagtta tgaataacaa ttttaagtat atatganagt 360  
taaataaacg tgaccatcat atatgaaatc ttaccaatt tcttcaacat ttcttt 416

<210> 7181  
<211> 471  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7181

taagcctaag agcaagctaa tgagagagtt aactcanatg gtgccttaag tttcaaacac 60  
atgacacaaa acaacttgta tgtacacttc caaatgagt tattctacct gctccattga 120  
aataaaagca tcatttcctt actttatctt caaatgatt gcacacttcc aacaccctat 180  
gctagtacaa atcaataata gtttattcta cctatatctt aaattctatt gaatatggat 240  
agatgtaaaa tgtaacaagt gcatccatga attataaaat aaaaaaagtg catcaatgat 300  
tgaatagagt ccacatggat gtgaataagt attgtgggga tcctagttag aacaccatt 360  
tactgaacaa caaccactag aataaagcag cacaataatt gattatntgg tatcactgta 420

cgccaatcaa ccctcaaaaa ttcacatga aataagaaac aagactcact c 471

<210> 7182  
<211> 382  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7182

agctntaact tgtatttctt taagtccttt ttgacacact ntatcacacg agtggttttc 60  
aaaaatcttc taagataact gtgttttatc actcactgga caataatcca ctattttaac 120  
aaaaaatgta tttttaatca ttggacgaca cactagtttt aatcatttta acagaaaact 180  
ctgttttatc ataccgcttg ttatcttggtg aaaaacttct atttggtgaaa aactttatat 240  
ctttggttaa cacaccactc aatctccctt ctagtgtgat ttgacaccac caccactatt 300  
catcatcaaa tcgttctccc aacaccatca accatcctcc gcacacgata gtgcagatct 360  
ggctagtgac gacacacagt ga 382

<210> 7183  
<211> 475  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7183

tgtctcagcg tctatgcgag acagagacca acatgttagc tatcatcgcc aagtaccaag 60  
aagagttggg tctagccacg gcccacgagc atagaatcgc ggatgagtat gcccagtat 120  
atgcggaaaa agaggctaga ggaaggggtga tcgactcttt acaccaagag gcaaccatgt 180  
ggatggatcg gtttgctctt accttgaacg ggagtcaaga acttccccgg ttgttagcca 240  
aggccaaggc gatggcagac acctactcca cccccaaga gattcatggg cttctcggct 300  
attgtcagca tatgatagac ttaatggccc acataattag aaatcggttag gaaacttgta 360  
tgggtctctca gaccttgact agatatgact tccttnttga aataaaatga gttggtccca 420  
ggtttctact tcaaaaagct tgtgcaaata aaatcactcc tacatctcat ctcta 475

<210> 7184  
<211> 467

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7184

agctngagca ggttgaatt ggaaagcaac aaattaactg gagaaatacc ctccctccctt 60  
 ggtaatctta aaaggcttca attcttgtaa gtatggcatt ctgtttgcta ggctctacat 120  
 atatataatg agtccttaggc cttagcatgt attttttgtg caatgtttta aagtgtctgt 180  
 ttcttgtcct gctaccagaa cattgagcca aaacaatctc agtgggacta ttctgaatc 240  
 acttgccagt ctccaatct taatcaatgt gtatgtaaaa taatggtttc tagaactctg 300  
 ccattntttt aaagtatatt tcattaattt agtatctgat tgattattca aacttctctt 360  
 ttgcagtctg ctagattcaa ataatctgag tggccaaatc ccagagcagt tatttaaggt 420  
 tcctatatac aagtatggat ggtacaacca taaaattagt atatgat 467

<210> 7185  
 <211> 477  
 <212> DNA  
 <213> Glycine max  
 <400> 7185

tatgacatgc ttggattagc gaaagagagt ttattggatg ctattttatt tataaatgag 60  
 tgctctcagt caaatgatcc tgatctctca ctgaggcaaa ataaagttcc agattatgcc 120  
 gagcgttttag ttaagaagca gatgcgtgct gcttggttat ttcgagaggc agctattaag 180  
 catggtgggg tccatagtca ggggtgatggc ggtgatatgt atggcccaca gactgatgat 240  
 tctgaatggg agacagctag tgaaagtgat atatgaaatg atggacggga tgacatgggc 300  
 gaagacgacg atggtgattg gaataatgat gatgagagga aaaattatga caaacctctg 360  
 atgaaaggta ttttcactat aaatttccta tctatatgct ctattaataa tctgcattat 420  
 tatgtgatcc tacttcgtgc ttgtgattat gcatgtctga tatggggagt cgggact 477

<210> 7186  
 <211> 361  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7186

agctggcaca ctcaaaggga catctcttct atatctttat gaaaaactat tatgtacagt 60  
 tgtccattac acaaaaataa caccatctaa gcaaacttaa ctgagtagag actagtactc 120  
 tccttcttcc ataccaatat gtctctctca ctcagaatca aattaatact tctaaagtca 180  
 taacctttnt ttatctaagc aaattagtag atttatttct gctaatagata tagagatttc 240  
 tccattccca tctccacatt caatttcctt ccttacgggc acctaaacct gacaccctgg 300  
 cctttatggc tactacaagg gtgtataatc tagtatactt cctaaatgtg aaaataaagc 360  
 a 361

<210> 7187  
 <211> 408  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7187

tctcgtagta gaacataggc aacgtatcta ccataatcgt gatcatctcc ctctcagtca 60  
 tgggcgggat gacttgggct gctaggtctc tccacctttg agcatattct ttaatggact 120  
 catgttctcg cttggtcatg ctctgaagat ggttccgac aggagccata tccgcgttgt 180  
 attggtactg cctaatagaag gcagtttcca agtctttcca tgaccggatc tgagaagctt 240  
 ccagattggt ataccacgcc actgctgctc cggctaagct gtcttgaaag aagtgcgtca 300  
 acagctcttt gtccagagaa tatgccccca tccttcggca atacatcaa agatgacctc 360  
 ttggacacgt cttccctttg atntatcaaa atctgggtatt ttaaactt 408

<210> 7188  
 <211> 374  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7188

agcttgccct tgttcttcac cctaaagtgt atataaatta ggaacaaacc tttttagtaa 60  
 gcttgctcac ccctagaagc tcctaataatc tcctatactt tntggggagg gccattcttg 120  
 gatggccttg attttcttag ggctcacttg gacccattt ctaccaacta caaattctaa 180  
 gaaactatat tatctacata aaagggtacac ttctctatat tagcatagag agtatttttc 240

ctaagaactg aaagaacttt ccttagatgt cctaagtgat catttaggct cttactgtac 300  
 actaaaattt catcaaaata aatgactacg aatctaccta tgaaatccct taagacatga 360  
 tgcataagcc tcat 374

<210> 7189  
 <211> 464  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7189

taagctcctt caactgcaca aggetcttaa tatttgaaga gtatccttgt ggaaccttca 60  
 cctgacgaag aactgacaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120  
 ggggcaagta aattttcttc ccatcagacc ttggatgcaa ctatgctctt ataccatata 180  
 cagctagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagca 240  
 tcccaatcac actgtcacia acatttttct ccacatgcat aacatcaata taatgtctaa 300  
 cgtcaagatc acaccagtac ggaagatcaa agagaatgga cctcttcttc catatgcaac 360  
 tctaactgnt atccttcttt tgggtattcc caaatacagt gttcagggtg tgaacccgct 420  
 gatatacctg ctcaccagtc aacggtatcg gcgcaatata atgc 464

<210> 7190  
 <211> 420  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7190

agctngaagg gtgagcgaat gagatgtgat gggatgtgta gaggggtcaa tggaacctag 60  
 tatttatagg agtggagcgt gaccgttggt cattgtttgt agggactatt atagcccttg 120  
 cagataattt ccgagttgta gatactagtc gggagcttat agataatggt aagagataaa 180  
 catatgctta tagataaaaag gtataagata atcgtacctt ttagataatg tgtggactta 240  
 taaataatta atatctgtca atagataaga tattgggata tattcaaata tgagtagggt 300  
 agagataacc tggtgggttg ggagtctgac tgctaagggc caagcatctg cgctcctata 360  
 gcagggctga tgtggagggt ggacacgtgc ctcacagtac catataacat gtcacatgta 420



<210> 7191  
 <211> 436  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7191

cgcatgatta tgtatgatgg caattatggt gatgctccac cactgacttg gcccgaagat 60  
 gacccattg aggtgcactc catcatcaaa aggtatgaga gcataaagaa tgagaaactt 120  
 cccaagaact tcgatctcaa taattttttt gagattagga agaacatggt tgacaatgat 180  
 atttccaaag tccaaaaaga gaccctcaag atcaaatac caacttggca tccaagcttc 240  
 aacaacctag gtgtagagga gctgaggaat ttcacgcta ggttggacat taagcttgaa 300  
 gcttgtaatc aacgaaacga aatgtcgaaa cacaaccatc aaaatgaagc caacttcaat 360  
 ttcattgaaa gcatggttca atcagacagt gttgctccaa acccaagcca actcaatttc 420  
 atgcangaaa tctctc 436

<210> 7192  
 <211> 476  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7192

agcttccatc aattggtact agtgagtcac aacctttggt cactcttata ataactcana 60  
 cttttcttta ttttcattta attgctttat cataaaaacc aaaattacaa aaatatttaa 120  
 actctctttt taatcaattc tattgttagt ttaaataatt aggaatacag ctagtccttt 180  
 gggtttgaaa tctaaacttt caagtccatt ggtactatgg cataggatct agtctacaat 240  
 agagcatgga gttgcactca tatctctata tgctattgaa aaataagcaa agctgtagat 300  
 cgacattgat actaaagata tggagcctaa agagattaca agatatgaag aggctatgct 360  
 atagtttatc actaaagcat ctctcanaga tcacaaggat gacatagttg tgacaaatcc 420  
 tagtgcaaat cgtgtgtatc caaaactagt ggttgggtgat gatgatcaac taattg 476

<210> 7193  
 <211> 406

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7193

catgcaagct tcttaatggt atagaattca atagctcaag gaagcgaatg tcagtgatag 60  
tgaaagatga agaagggaaa anttttctac tctgtaaagg tgctgacagg tctgtgataa 120  
aataatttat agccttcaac ttctagcctg cgcatttaac ctatggactt gcctaactta 180  
ttttttcatg cagtgtcatg ttggaaaggc ttgcaaacia ttggaggaag ttgaaagga 240  
aaactgtgga acatgtgcgt gaatatgctg acacaggtct aaggacccta gtacttgctt 300  
attgcaact tgatgaacia gaatacaagg agttcgatga taaattctct gaagtaaaaa 360  
attctgtccg cgcagatcag gaaactctga ttgaagaagt atcgga 406

<210> 7194  
<211> 107  
<212> DNA  
<213> Glycine max

<400> 7194

agcttaatat atcattcaat ctatataact attagtagga ttctctccta aggaacatta 60  
ctttcttagc taattaagga atattacttc cggcgcaccc tactatc 107

<210> 7195  
<211> 452  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7195

agctngttac tatgataaga gcatacctgt tgtttctctga agtccaagta caagactttt 60  
tgtcaataat atcaccaaaa actatcacat taacaaaatc acagcctcta agatttcgac 120  
aaattattag gtagccttga agcattatgt ttttatgatt ctaatctacc attctcttta 180  
tatataatac ataactatat tttttaattt gtaattaatt ataatanntc aatatgttat 240  
gtaaaaaaat agttaaaata attaacatta taatgattnt agactatcta ataatttcta 300  
gtaagaattt aatgtataac aaacctggaa gcacagaagg ctaccacata atccgtccca 360  
gaacaagtga aaatactatg tggatcatca taagcatagc tgtaagaaag tggacatgcc 420

. tnccttaaact tcttcgaata aaacgtggga tt

452

<210> 7196  
<211> 424  
<212> DNA  
<213> Glycine max

<400> 7196

aggaagaaga agaggaagtt cttagagact cagaaatcaa tgtggaaaaa ctgcttgtgt 60  
aaagaatgaa ttggacaaga tagatgtgta gaatgattga ttgaaatgaa tgattgaatg 120  
cataacacaa ccttgctttt atagactctt catgtctggt caagaaaacc attagaagag 180  
ttatgacttt agaaaacctt acaacctata tgaaaaagtc aaaaactatt tggtaaacag 240  
gttttgagac aaatccatgt gctactcagt tactgaataa actttttcaa aaattatcat 300  
tggtaatcga ttaccaaatac agggtaatatc attacacata gctttcttga gaaagaatgt 360  
gactcttcac atttgaatct gaatttcaac gttcaagcac actggtaatc gattaccaca 420  
acat 424

<210> 7197  
<211> 212  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7197

agcttgagta taattgattc tttgtgttat gagcctacat caaacagttg gattattgat 60  
gtttctgtca caatcaagcg attgttgatg tctccatatg tgtgtacact gtgatcatgt 120  
tttcgtttct agaattcatt tgaaatgtct gttgntaatt ctgaatgagt gatccttctt 180  
gatttaaaaa atatcgtctc ctaatcaatt ga 212

<210> 7198  
<211> 190  
<212> DNA  
<213> Glycine max

<400> 7198

tctcagagtc atctagaggc acgtgcacgc agtgcacgtc tctgaatgag ctaagatcac 60

tgtgctgata ttagttaaag agagaagagg agaatagtgc ttacaatagt tactcacacc 120  
 ttcaaattctt tggactgtga agatctttcg tgataagtga ggcgtgtcac tttcttgagt 180  
 tcagaaaaac 190

<210> 7199  
 <211> 184  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7199

agctagagaa gcctatcgat tttatttctt gcattaatta atatactata gnnngcctta 60  
 tatatccgct agaaatgtat gagcaacttt gaacagctct gactacaact ttgttcaagt 120  
 aagaaaacaa aggcaaccga tgattaccaa ctattaagat gggaaaaaat ggctatgttg 180  
 gatg 184

<210> 7200  
 <211> 470  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7200

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 taagcctagt ccaacaagag ggatctgagg atgaagcttg gattaattca gtctaactag 180  
 ggatcgaggt ttagtaattt aggctacaac atagaacaca naagcatgna tgattagaga 240  
 aacatcatta tatacatcaa ctggtttgtt agaaagaccc aataccttta cctactgctg 300  
 tcaatcttgc attnttattg tttttagcct agacttagtt tatttctgtt ctaaattcatc 360  
 aatgtttctt tcaacaatgc cttatttatg aatttaatcc tgtctaagac tagttccctg 420  
 agttcgatac tcggattcat ccgttttaat tntaaatact tgatgatctg 470

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 <211> 299  
 <212> DNA  
 <213> Glycine max

<400> 7201

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accagagagg aagctgcca agttccaact ccgaacacga ctcgaccgga cggtaattcc 120  
aacacgacaa ggaacttccc tccgaggcca ttgccggaat tcaccccgct cccaatgacg 180  
tacgaagatc tctaccatc cctcatcgcc aaacattttg gccgtggtaa cttccagaag 240  
ggtccttgaa ccccttttcc cgaagtggta tgaccctaac gcaacttgca agtaccatg 299

<210> 7202

<211> 221

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7202

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ggtggagtga agatccgagc cacctacact accctttagg aggtctaggt gcctaaacaa 120  
ggaactttaa tttcaatgga aattttgaaa caccctntac ccaaatactc ttccagtctt 180  
actaaaatat tgggatctac tgtttcttag cttcttacga t 221

<210> 7203

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7203

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gtcacaattt gacattggct tctcatggac gagaaaatat caagttgagg agttccatca 180  
ttgaagtacc ttgtttcctt gttagctata tatataccag aacaaggta ttattattat 240  
tattattatt attattatta ttattattat tattattata tatactgcaa atgtatgatt 300  
atataattnt ttgatatttt aaaccattta tatttttctt taaatttaat ttatatctca 360  
gaattctctt aacattctaa tttgtgggtc aattctttaa ttctcaatta taacaatata 420  
ttcatcaaat acatcttaat ggtaattgat gtta 454

<210> 7204  
 <211> 311  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7204  
  
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 tcttaggcat tcattagata aactttttcca ccataaagga gagtaacagt gctacagtat 120  
 gtcattgata ttgaaaaatt aataaaatgc aggtataaag agctcgtcat atgctcataa 180  
 caagagaagc tactggaaag gagctggcaa tacacttgac atattggatt ggaacctaac 240  
 agaactactg ccagctaata catggacgat tcagttacaa gctacaacta cataactaac 300  
 tctatattat c 311

<210> 7205  
 <211> 202  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7205  
  
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 acatttaact ttgagcgtct cggttatatta caggactcaa tcagacatcc gagtaaaaag 180  
 tcattgctcg ttgaattggc tc 202

<210> 7206  
 <211> 476  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7206  
  
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 agccgagacc cttccgtaac atttccgtga gtaattacgc gaagattctc gaccgttatt 180  
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 tctcgttttc atttactttt tataccccct tttgacgtgc ttaagccatt tatntaagtc 360  
 atttctcacc taatctaana ataaaataaa tttccaccga tcggttgaat tgtataatcc 420  
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<210> 7207  
 <211> 133  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7207

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 gttgtctaaa aat 133

<210> 7208  
 <211> 164  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7208

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 tcatattgcg aggtaaatgt taaggcagat aaacaatcaa aactcctatc taatatctac 120  
 cactctatgt ctcttctatn tgcagggnaa agcaatcctt gcta 164

<210> 7209  
 <211> 528  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7209

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 ggcaagcgc gcagcgtga gtaatccttc ctccaccacc atcactttca aaagcctcgg 180  
 aattctcaaa cgaatccgca atcaaatatt ctgcccaagc ggngaaggat gagaagcttg 240

tagaacttcc ccaggcaa atgctattgg agcanagtgg gtgttcagac acaagctcga 300  
 tgaaatatgt aaggttggtga gtggaacaaa gctaggcttg tggccaaggg ttattcacia 360  
 caagaaggta tagattacac tgaaactatt gctcatgttg ctctctaga agcaatgcac 420  
 attttaatat cctttgctgc ccatcatggt atgatgttgt atcacatgga tgtaaaatgt 480  
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<210> 7210  
 <211> 220  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7210

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 caggaacctc ccaccagcaa gcagggtat tttgctatct ggtccagcag gtatacttag 120  
 caagaattta acctgtcctg cagaaacctt ttttaattnt aagttggctc gactaatact 180  
 atctacttat atatctcgaa gaaccttacc agctcatgct 220

<210> 7211  
 <211> 169  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7211

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 taggtgagaa attgattctc cccaaaccaa cttctcacat ctcttttat 169

<210> 7212  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<400> 7212

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 ccactcctca cgtttggtg tttagggaac aactataac taaacgcgcc gcaagggatc 120



cctatcgcac cagatccaaa tctagaacga tgggtgatca agaggagaca caggaacaga 180  
 tgatagccga catgtcggct ctgaaagaac aaatggcctc catgatggag gccatgtta 239

<210> 7213  
 <211> 458  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7213

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 acttagcctc tttttcatct gaaattgcat atatctcatc attaaattta atggacatat 180  
 tctagagact gctgtaacca taaaacaaga tttttttaca agaattactc aaaataacca 240  
 taaattgggg aactatacaa gctttggaaa atgatttcta taaaaaagtt attcgtataa 300  
 ggcgactaac aactctccca aatttacaat tttgcttgct ctcaagcaaa gaaagaacag 360  
 ctcactagtc ctttaagcgac aaagatagtg gtcagtcaaa agaaaatggg gtctgattat 420  
 aaaggaatca accattgaac tgaatatatg aaatctta 458

<210> 7214  
 <211> 123  
 <212> DNA  
 <213> Glycine max

<400> 7214

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 acttctaata taataacttc atcttatctc ttcccatcca tccactcgca acaaccccc 120  
 ata 123

<210> 7215  
 <211> 352  
 <212> DNA  
 <213> Glycine max

<400> 7215

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tgggtctcgat atacgaagat gatgttccga gtacattgga tttggtacga ccatgccctc 120  
 ctgatttcca gctgggaaat tggcgagtgg aggaacgccc cggcatttac gcaacgagca 180  
 taatgtaaac ctttacgggtt ttaaaagctc tatagttggg cctaggcttt agagtctttc 240  
 ctattgttaa ggctttgtgt ctttcgtttt tgaattcata atacaaggat ctttcttcat 300  
 ctgttcttac gtctctaccc attctcattc atttgcattg ttacttcttt tt 352

<210> 7216  
 <211> 465  
 <212> DNA  
 <213> Glycine max

<400> 7216

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 attattgcta ccccatagag ctccgcgaaa tttgttccgg ccatactctt ccttgcgagc 180  
 cctcttggtc tcttgttcaa gggctcttgc gcgaattgca ttctcttccc tgaaccgggc 240  
 acactccttc cgaacgtgtg taccacccaa cttgaacttc tccttggcga gttttgcctt 300  
 tcctaactct gctttgagag catggacttc ttcgtactct ctccggtgctt caaaactctc 360  
 ttcgtgacg actcttaact tggcgagcca atctaaacct tgtatgcgaa ctttcagcca 420  
 ttcgtgttac ccaccagtga tgccattacg aatgcctcta agctc 465

<210> 7217  
 <211> 192  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7217

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 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgctgtg gatgatttct 120  
 ccagatttac ctgngtcaac tttatcagag agaaatcaga aacctttgaa gtatttaaag 180  
 agttgagtct aa 192

<210> 7218  
 <211> 475

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7218

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aagnttgtaa tcttgtgcag atcgtgtttg tataacaatca atttaaaata taatataatg 120  
attataatga gtaattaatt ttaatatcaa tataagctca atacatttat gcgcataatg 180  
gcaatgaaga ataaattaaa ctatctgcac aatttattct tgtataataa gtgacactaa 240  
ttgaaatgta gcataacgac aactaacaac aatgttttat taaatgcaat gtacatggca 300  
agggaattaa tttagtttaa tctaaaacga gtgcattttc ttagccaata tttaaataat 360  
gctaataata gcttgcgttc accctacata ttacttatnt ctttacgtac atgcttatca 420  
tctaaattcc taatatataa tgtacaattc tataatgaga aacgctatat aacaa 475

<210> 7219  
<211> 229  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7219

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ttaacattgg tatgactaac atgaatgntc tcaggacacc gtagttcagt ggactgacaa 120  
cgccacaata ctagttggga tagtgtcaaa agagacgac gcccttgagg ccaccttaat 180  
acgagcatgt tcacgcttta tatagacttt acagctttca tgtgctgag 229

<210> 7220  
<211> 375  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7220

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atgctcactt ttatagtggc cttgcatcaa atttcataat tgaacattcc attgatcctc 120  
tgccccctca cttaaactcg tgcaataaac attaggttcc atttactaac aatagccaaa 180

gattgtatgt gaaaagtttc tattctataa gataatacca aactgatgaa atcaactaaa 240  
aagttcccat gtgaaaaata aataatgtta aaagtgtcat aaatttaaaa ttaaaataag 300  
acataacaaa acatacccaa taatgtcatt ttgacattcg atcaaacaca taacttgcaa 360  
ccaataaatc agtct 375

<210> 7221  
<211> 428  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7221

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aaatggaaaa attacaaatg tcaaaagact aaccggtagg gccatgacta acacaaggcc 120  
aataaagcaa cggccttaag cctcttttca attattgaaa ttntatatat ttttaaaata 180  
cttctaaatt aatagataat aaattttatt atattatttg tatttaactt gtttctaaaa 240  
taattagtaa aattttattct ctctaaatat aaaatagaat aactatattg aatgagaata 300  
tttttaagaa ttattgtgtt tgataagaac aagtaaaaaa attctctana aaaaatatct 360  
ttggattctt ttgctaata ttttctctta ctatattttt cataatgcac aatgaacaag 420  
atagattc 428

<210> 7222  
<211> 459  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7222

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agtctatcat atgctgacaa tagccgagaa gcccatgaat ctcttcgggg gcggagtagg 180  
tgtctgccat cgccttggcc ttggctaaca atcggngaag ttcttgactc ccgttcaagg 240  
taagagcaaa ccgatccatc cacatgggtg cctcttggtg taaagagtcg atcacccttc 300  
ctctagcctc tttttccgca tatacttggg catactcatc cgcgattcta tactcgtggg 360

ccgtggctag acccaactct tcttgggtact tggcgatgat agctaacatg ttgggtttctg 420  
tctcgcatag acgctgagac aagctctctt tggaccttg 459

<210> 7223  
<211> 468  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7223

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aatcgattac catccatgtg taattgatta catagtgtaa agtttaaatt caaatttgta 120  
atggctgttg taaatcattt ttaccacta gtaatcgatt acatcctctg gtaatcgatt 180  
accagagagt aaatcgcttg aaaaagtctt ttacttata tttctttggc aaacctgttg 240  
ctatttcaat ttggaattcc cttcctaaaa tactagagat cttcttgatg ttgtatcttg 300  
tattcttga ttgttgtctt gaattaaact agagaagcac attttcataa gacatcaaat 360  
catcatgatc atatggcatc atcaaaacat caaatgcaaa gtatttgctt ctacaatctc 420  
aaagtctttg cttctacatt accaaatact gtaatcgant acaacgca 468

<210> 7224  
<211> 379  
<212> DNA  
<213> Glycine max

<400> 7224

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taatcgatta cacagtgcaa attttgaatt caaattttaa tagctgttgt aaataatttt 120  
tggccactgg taatcgatta catcctctgg taatcgatta ccagagaata aatctcttga 180  
aaaagacttt ctaattttaa tttcttggcc aaaacctttg ctacttcaat aaggaattcc 240  
cttactattt aatataccct tcctatgact ctagagacta tcttgatcat ccatcttgaa 300  
tatctttaat ttctttgtct tgaataaage tttgacaagc atgtgatcct ttggcatcat 360  
caaaacattc agcttgatc 379

<210> 7225  
<211> 380

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7225

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tcagttgagt ggcgcattcc tgttcctgat gacaagaccc agactatata tgtatggttt 120
gatgctttac tagggtaagg atatgtatct tatagcttgt gcgtgctcct ctagcttccc 180
ttgactctat tctataatct tataggctcct gtctatcata ctcaccgact atcatcttgt 240
ttattgttcg aaatacatag ctaaatgcat gaaagttcac attatgcatg atcatttgta 300
cagaatcacg ataaagaaca gcttggactt ctgctatctt gctgaatatt ctctattaca 360
tgtgtcgcta atcaccttcc 380
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<210> 7226  
<211> 456  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7226

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tgccactttt tgtttccttt ttttttcgat tactcacata ttgtttcaat tatattatat 180
attatatata ggaaaccatt agttgagttg taagtgtaac tgtaattaag acaactcaaa 240
ttcaatcaat cttctcaaat ttaaccaggt gtgtgggtgg ccaagataca atacaacaca 300
gattttattc tcatggcaga agaaaaacat tttatcacac aaaaaggaag acaactctag 360
tactaactga gaaaataaaa aacgatcgct tgcttactct tagagtaatg atacatatat 420
gcatacactt aatactctta ttctacttta tctctc 456
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<210> 7227  
<211> 521  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7227

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catgcaagtg tgctacgaaa catactgac aagctcaaat cccaattgca cacggctgcc 180  
tgcaatcatt ctttaccatc agtcatcgac tacaacctct ggcaacccat caccagatac 240  
catatcccta gaacacgctc ctctactcta aaatacatgc gccaccttt agctatacca 300  
attaggacat tccttcctaa aaccaaacag atctctcgat gtcttattct cgtattccga 360  
gacgccgtct tgaataacca ctagacaacc acatctctct atatagatcc tattaccccg 420  
atcatctggc ttactgaaca catcacagcc tgtatcgctt ctcaatctca acgttccgat 480  
caacttcccc tatcgcacgc attacttact ccttaccccc g 521

<210> 7228  
<211> 421  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7228

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gccaaagtatc tcgaagcggc caatcaaagg ttgtatatca tcaaataata atccccggac 120  
gaaattaggg tatgacaggg tcgaagcggc ttcctatacc aatgtcacga ggagtgtgg 180  
ggtcagattc ataaagaggg agttgnattg tcagtacgaa ctccctagga agatcattac 240  
tgacaatggc acanatctga ataacaaaat gatgcaggat atgtgcatgg atttcaaaat 300  
ctagcatcac aattccacgc cctaccgacc aaagatgaac ggagccgtgg aagcagccaa 360  
taagaatatt aagaatatta ttcagaagat gacagtgtcg cacaagatt ggcatgagat 420  
g 421

<210> 7229  
<211> 273  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7229

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aaagcccana gaaatgattt caagattgag tcaacaagtt caagatcaag aataacttcc 120  
 aggttcatga gaagaaatca agaagattcc agaatcctga gaaggtctgt ttccagattc 180  
 aagagaagat gaattcttga ttctcgagat gaaatctagc atacctccca gggaagtttt 240  
 gacagattct tcaaaaacaa acatagcacc gct 273

<210> 7230  
 <211> 131  
 <212> DNA  
 <213> Glycine max

<400> 7230

agctttgctg atgataatgc ttctattaca ttattatcgc tatcagatga gcctaacaga 60  
 agtghtaataa cttgtcatgg atactacaca acatcggatga tttaaatac cgacgttggt 120  
 atcctatatt a 131

<210> 7231  
 <211> 196  
 <212> DNA  
 <213> Glycine max

<400> 7231

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 tgtcttatgc tcagtagatg tagaaatgga aagaacaaaa tgtctgtggg atgatgatag 120  
 acgcgaataa gatagtacag aatcgagagg atgacacact atagctgaat aatcgagagg 180  
 atggctcact gaagct 196

<210> 7232  
 <211> 196  
 <212> DNA  
 <213> Glycine max

<400> 7232

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 tatgaagaga cgactctcta tagatgttcc tgagaggaca atttagagag tgatcaaaga 120  
 ctcatcggat cgatttccac tgcactatc tattgacaga tcccgatata ttaatgttga 180  
 aagtcttcca cctcat 196



<210> 7233  
 <211> 459  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7233

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taggaaaaat gccattcttc ttctttcttt cttccaaatc catttctaaa gttccaagta 120
ctttctccat caccacatc caccattagc caccacaaac catcattggt ctccattgaa 180
aaccacacc gagaggaacc cttcaaccga agcagaatct tcaacttgct cgcgtgtttg 240
gtaaagaacg aaaaccctaa tctgatcttt cgttttcttt cgaggtaacc atgcgtctat 300
gctcgtttct tgctagcttc atcttgctt tgcattcttt ctaactctgc aaccgccatt 360
gcatgtctta tgcttccttt gacaaacctt agagaaagag acttttgaaa cattatcctt 420
tcatgaaatg catggtatat tcgtaacctt cacttgacc 459
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<210> 7234  
 <211> 465  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7234

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agctntgtca gtagaaaggc cattngaaac cgttttaaagg tccaatgcct taaacggctc 60
cgaaagaact acgtatgtct gatttcctca tcacaattga ggatacgtag gagcaaaatc 120
cccacttttg tccaacccat gagatcatta aagggtccaac accttaatgt ttctcaccca 180
aaagagattg ttcaagggtc aacgccttaa tgggtctcac cttcccaaag agatcgttca 240
agggtccaac ccttaatggt tctctccttt caaaagagat cgttcaaggc ccaaacgcct 300
taacatttct caccacaaag agatcgttca aagggtccaac gccttaacgg ttctcttctt 360
tcaaaaccga gaggtcgttt caaggccaac gtcttaaaca aatctcaagg gctgaaaaat 420
ngtatatttc taggataccc tacctacatt atggagccct aaata 465
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<210> 7235  
 <211> 400  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7235

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tgcttctgaa atttccttta gttcttgggt tcagtttcat atcagcttaa tctctaacaa 120  
ttacagttaa ctaaagcatg ttaaaaaacc aaactcaata gaacgaatct taaggagaga 180  
gagaaagtgt ttggcagatc actaaccttt tcatactcaa agtagcaagt gtggtagcct 240  
gatctcatgt gaagtgaaat atatagttac atctatggta gctcgtccag ctttgcggt 300  
ggaaactcta tcgaaggagc taaacctgca aactaaacta atgagaatgc tgattgacaa 360  
agagtcaaca attgacttgg cttaaatacc tattgcacat 400

<210> 7236

<211> 416

<212> DNA

<213> Glycine max

<400> 7236

agcttttttt aaagcctatt aaattaaata gaccaagctt atgcttatta aaaagcctta 60  
taagcctgat aggtcggcct atatatatgt atatatactt atattatttt tttgggtacc 120  
aatatatact tatattattt tttaggtaca attaatattt ttttttgaaa ctagaagact 180  
ttgattacac attactgctc cacaactttc attcctataa tcaagtaaga ctttaattac 240  
aatttaggtg tgattcatgt gcccctttat attcctcatt atttttattg gctttcctat 300  
tcctgttaac gtttcctttt cctattaggt ttacttttcc ttttaacttt tctattacgt 360  
tcctattcta gagcaaagga atattaaaga gatttaatgt gaagaaggct tttaaa 416

<210> 7237

<211> 495

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7237

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tcttggaattc aaagcttagg ttctacgaga gcattcattc tccattttct tgacaaacca 120

taactaattt tttcacagcc gcaaccttat tgttttgcta cacttaataa cacacatact 180  
attctttgca catggctgct tctagctctc attccacaaa ataaacaagc actgnttttt 240  
acaagaatga acattcaaca ttaatactgg actggagcaa tttactgtat actacaactc 300  
acattagctt gcgttgctat taaggttcca gcaacaaaag tttatcgata acactcccc 360  
atatttgaga caaatttgct ctgatccatg agtgctctcc tacaacctaa gatagggttg 420  
ttactcagta tcaatactat tcggctcgga tttcaaatta agcttaatag ggtgcaatgg 480  
acattcacta ttaac 495

<210> 7238  
<211> 347  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7238

agctngcctc anagaggtcc aggaaggaca aggcggccaa aggaactagt tccgctcctg 60  
agtatgacag tcaccgcttt aggagcgtg tacaccagca gcgcttcgag gccatcaagg 120  
gatggtcatt tctccgggag cgacgcgtcc agctcagga cgacgagtat actgatttcc 180  
aggaggaaat agggcgccgg cgggtggacat cactgggtac tcccatggcc aagtttgatc 240  
cagaaatagt ccttgagttt tatgccaatg cttggccaac agaggagggc gtgcgtgaca 300  
tgagatcctg cgtaaggggt cagtggatcc cgtctgatgc cgtccct 347

<210> 7239  
<211> 384  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7239

tggcttatgt aagattgtat gaatatggag aaaccatcac atagtgttac taggaggccg 60  
tcagacgatt gagcacaaca ngtatatata tgtcaatatg ctgcattat ctcatcaggc 120  
actgatgtac acctacaact agaacttacg gacaattaat agcctatatt gaaactagaa 180  
gactttgata cacattactg ctccacaagc ttccattcct ataatccagg acgacttta 240  
tcacattagg tgtgatcatg ccccttata ttctcatatt ttattggcta cctatcctgt 300

aaccgttcct tttcctatta ggtctacttt tccttctaac ttttctatta cgtccctatt 360  
ctagagcaaa ggaatattac agag 384

<210> 7240  
<211> 51  
<212> DNA  
<213> Glycine max

<400> 7240

ttagaggcac ctgaggatgc aagctcgacg ccagctagcc cacgcgagca a 51

<210> 7241  
<211> 432  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7241

agcttcaaga aaaagatggc ctcagtatat tccttatttc cagaagggaa ttccatcaat 60  
agacctcaa tctttaatgg agagggttac cactactgga aaaccggaat gcaaattttt 120  
attgaggcaa tagatctaca tatttgggaa gccatagaaa tagggcctta tatacccacc 180  
acaggagaaa gagttacaat agatggtagt tcatcaagtg aaagcataac tatagagaaa 240  
cctatagata gatggtctga agaggataga aaacgagtac aatacaactt aaaagccaaa 300  
aacataataa catctgccct gtgaatggat gagtatttca cggcttcaaa ttggaagagt 360  
gctaaggaaa tgtgggacac tnttcgatta acacatgaag gaactacaga tgttaaaaga 420  
tctatgataa at 432

<210> 7242  
<211> 509  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7242

tttgaccncc gtgaanatcg ancccccttc gaggactga ggatgctcta cagtcgacac 60  
tgcatgcatg caagctagaa gctgggggat acactcgaag acattttgtc ttttaactgc 120  
ctatctccct cgagcgacat ttgtatagga tgctatctcg tgtgatgcgt ctgtagacat 180

ataggatgta tgatgcatcc gttcatcatg acatcgaatg tgtgagtaca aagcatttat 240  
gcttttaacg gtggcttcaa gaggcaccac ttctgattca tctgttcctg cgttgcaacta 300  
atttactcac tcacatgtct tgtgctacag tccccctctt cccacattgt tatccctcgc 360  
taactattat cttctctgtc ctctcgtcct tacttccgca aatttctctt ctccctcctg 420  
attctccttt ctgcacctca ttcttttctc tccctactcc actctccac tatccctctc 480  
ttgttttccc cctctcttcc tcttctccc 509

<210> 7243  
<211> 179  
<212> DNA  
<213> Glycine max

<400> 7243

agcttatgta ggaacaattc aagataagta tgatgtgaga attgaagttc ttccttggac 60  
ttcaaataca gcaaacagac aaaggcatat acatacatca aaccaagtac gtgaaggaac 120  
ttctgaagaa gtttaagacg gacgatgtaa agcaaattaa taccctaag catccaacc 179

<210> 7244  
<211> 248  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7244

agcnttcacc cttccctttt aaaagttgta tcagacacgc tcgccctgtc gagctaacc 60  
tgtccttttc ttnttgcaa aaacttaaac tatttctttc cattttatca ttttgtaac 120  
tcctatggtg aaggacctag ggctacaagg acatcgatgt gtggtaaagg aaatttgtcc 180  
tttgactgg ctcggttana tctgatagt ctacgcacat tcgctctttt ccattcttct 240  
tatggact 248

<210> 7245  
<211> 129  
<212> DNA  
<213> Glycine max

<400> 7245

agcttggtct ggattataaa ggagttcttg cttgttgaaa cacatagcgg ctatgatatt 60

gaaggaggag gagacaaagg tgatgttata tatgcaattc tcttactcct tctcgaagga 120  
gatttcata 129

<210> 7246  
<211> 476  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7246

agcttgtagt gaggcttggc tacaaaaaat cattgtttnt tctataattc taaggcttag 60  
attctaagag agcacaaata ctatatattat ccaaattatc tttccaatac aattagctta 120  
ctcactagcc tttcacttta atttgtcttt gaccttatta caacaacaca cattttcttt 180  
gattgctctt tctcttttaa cacacaactt attttttggt agtgctgatg ctttaccttt 240  
tactttacat cccaatcaac tcccccaaat tcggtgtaac ttgccttgaa ctatctgctc 300  
tcctagaatc taaacatggt atcttggaga tattcattca agtttacggt tcaatctttg 360  
aaatgtaact tagctcacat aggggtgcaa ggatacaatt ataattcacg gtaagctctt 420  
tggccaatag agttggctat acaataatgg gcgtcatcat gtgctcattc atacat 476

<210> 7247  
<211> 193  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7247

agcttgtagg gttcacccca nattccgtcg tcatatgcta aacttgatcc catatctact 60  
tgataattca atggtagcca taaccctagc caagggtcat caacctccat ttctccgaga 120  
atacgactcg aacacaacgt gtgcttgta cgaagaagcc ccggtgcgtt ccattgagca 180  
ttggagggct ctg 193

<210> 7248  
<211> 301  
<212> DNA  
<213> Glycine max

<400> 7248



<212> DNA  
<213> Glycine max

<400> 7251

tctagaggca tctgacgcat gcaagctatg tgaatatcac atctgatata taggggttat 60  
atcctctcga tagtaccctt tgacaactaa ggatcacatt ataaataaag gatctacatc 120  
tgattaagtc actgtataca agactaatct aatcagaaga tcctctcata gtatagtaga 180  
aagtgatcta gtgatgat 198

<210> 7252  
<211> 192  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7252

gagcttgagc atattcanac gacaataact ntntactcgg atgtccgaat taatccagta 60  
atatatcgag acactcgtaa ttgaaaatgg aagctctgag caaattctaa cgataataac 120  
tttnttctcg gatgtcggaa tgagtcctcg tatatatcaa gacgctcaaa attgaaaaca 180  
aaagctctga gc 192

<210> 7253  
<211> 208  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7253

agcattgtga cattgtttat tgactatggc cattatggnc gaccactgtc atggngaaat 60  
taccacacca ttcgataggt tgttaacgct gttctatagg gtagctatca ctctattgcg 120  
gatgggctat ttaccacgat cgtgatctaa tgtatagtct tcacatcttg ataatatcga 180  
gcactttcca acactttcac ttaattga 208

<210> 7254  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations



<400> 7254

agctngagct cgttactact gcccatagag cctctcggaa cttgttccta ctccattcct 60  
cctttctagg actntatggt tctactcta acatttcaac cgtgggcagg ttgacatcct 120  
tcacctcatc atactctttc ctgaccctag tgattgtcgt ctttagcttc actttcacca 180  
ctcttgtggt ttttagctct actttcataa cttgcacttc ttcattttcc ttaagaattt 240  
cagcctttgt tccacttaga ctttttaact gtgggagcca agctatccct tgcattctag 300  
acttcaacca cttgtgatag ccgccgatgt caccattgct acttccttta agctccttat 360  
ctttcttcc cactctattc cacgctttac gaactttccg aagtatcttc agactatcct 420  
cattgaagcc tcgcatgatg aaaggcatga tgacttcc 458

<210> 7255

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7255

atctctagag tcacctcagg cngcaagctt cataacctct cttatcaatg tccagttata 60  
tatactctac ggtgcaggcc ataaaccaac atagcaagaa gcaaaaaaat aaacaaaaat 120  
tatatcataa acaaaatatg gctactcgac caaaattcaa aacgaagctc cactcataat 180  
tttaaagctg caagttcttt agtcaaagcc atattacttt cttttaatct aaaacactcc 240  
acagtcgact tctcatgctt ctaattcaat ataaatcttt acaacgttaa tctaggctgt 300  
caatagttaa cttgtcccaa ataacacaga acgctacaga gtatttcacc tctgatttca 360  
tttgaagctg cgaatgatgc ttttctattc aaaacctcat tctttaaaagc tgtctctatc 420  
tt 422

<210> 7256

<211> 330

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7256

agctnngatc catcatacaa ttttaactgt atcatctatt taaagcctac acaaatgttg 60

agttgcaatg aagttgtaat tgcaagttga gagatagact aagcaacaac gagttagtga 120  
 tatacaaatg ctaatatatc aattatgggc aattattcat cttagtcct ttaaaagtga 180  
 aaatactata atatagcaga tgtatcttgc tgtctcttaa tctatacaaa tcaaaatgat 240  
 cctaactggc taattctcgc tggtttctaa actttattta cgtttgctg tgcattcaga 300  
 gaggaattct gtaagttgta cttactgact 330

<210> 7257  
 <211> 471  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7257

gctntgaggc tatatatgga ccatcgacca ctaataatat tgcagatgta caagcgggtc 60  
 taaagtaaag gaaagtgcta caagctactg tagaacctat cagattgtca actctctttt 120  
 ggaaattttg atcgacatct gacaaggaag gatcaataac aagctactga gtggctactt 180  
 cttcaaggt cactacctcc atgtanttcc tcaaagaata ttctgttga accaaatgtg 240  
 aatgtcatat tctaccttaa cntagagga catcaaactt tggaatggaa aacctgtaac 300  
 aaagtctgga gaaacaaagt tgatattggg acttgggtac ttgatcatga gatgcaaaag 360  
 ttagagcagg aaaagctaaa tctccttaag ctctaaaagg atagcactng gtgggaaaac 420  
 atcatagtta gtttgaagaa agtagaatct aagggtggagc tcttatgtct a 471

<210> 7258  
 <211> 212  
 <212> DNA  
 <213> Glycine max

<400> 7258

tcactgaatt tgtgatagca aacaagtgtt cctagatata tcactgtcac catcttctaa 60  
 ccatagttgc aaaatgtcta cttaccata aaactactgc acctatata tgctcctggc 120  
 ggaggccaat ggagcataat gctatgaaaa ccacctgtta tgttaggtta ctacttactc 180  
 tctagaggtta gccctattcg tcaggagcac ct 212

<210> 7259  
 <211> 411

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7259  
  
 atatatatat atatatatat atatatatat atatatatat atatatatat atatatatat 60  
 atatgatagg cttgaaaaga agaattataa acatacatgc acaaataaca aaacacagag 120  
 ttttctttgt tctcctaagt tgtaatatgt gtcagggtgt tacacttttt atcggccaac 180  
 acttgctgcc tgttgattaa taaaaagtaa ttctgatcgc tccctttata tgaaaaatat 240  
 aattatgtca tttcttatca atagccgatg tagcgcgggc agaacaaaaa tattttgtgg 300  
 gaattaactt actcatttgt ggtactgcat gtaatctact taatgttaaa atttattaca 360  
 attaatttga ttttctagaa ctaccataa aattgggtgt acaagaaatt n 411

<210> 7260  
 <211> 121  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7260  
  
 agcttgaacc gccagtcca atggtctgaa ggtgtgtacc gctagtcaca gttgcgggac 60  
 atgtgctgac cacgagagag ggggtgaggct gtgccactgt cgctgctgt cgggagagga 120  
 t 121

<210> 7261  
 <211> 300  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7261  
  
 cgcttgntga gtgaatgaaa tggctatgaa gtgtaacggt ctagacacta acaaaaggaa 60  
 ccactaaatt catctcgtgg atgcattata tagaaagcca aatgtaatga agtgttccct 120  
 ataacatttg tggaaagagt cacatcaata tttatgaatt gccaaatgac atccaaccat 180  
 gatatagaat taaagttgta cactaataac caattcatta aattcattgt ctcatgctca 240  
 tctatacctg tctatggcgg tttgaagcan caccttacag agacttcttg gcaactgaata 300

<210> 7262  
 <211> 445  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7262

agctntatga ctctcctacg agagtgc aaa aacaacagag aaatttattt aagttgagtt 60  
 tacatagtta ttttgagaac aaagcttctt attctacact tagtacaaaa gttcaaaatt 120  
 tgattttttg taccctgaaa ctgaaatcac tttgatttca gagtgagaaa agaaaaagtc 180  
 tcataacaag tcctagcttc cttagttaat cagttcccg atctaagtta atgaatttct 240  
 ttataattcc catcatttct cccccaggga aacgccccag acatcccttt gcagctgcc 300  
 cttcattcag ctcataaacc gaatcaccac tataagcttc acagcatttg tctctctctt 360  
 ctgtttccag atcatcaagc aagtcttcac ccgacttaac acttgggaata ggaaatgggt 420  
 caagagaaga tttggaaata gtgga 445

<210> 7263  
 <211> 213  
 <212> DNA  
 <213> Glycine max

<400> 7263

agctctacat cagatttttag taatgaccca ctattctaga attaaaataa cttaatgcc 60  
 ttaacctatg taattaaaag aacttaatgt ctgagtgtaa ctgaaattgt ggctacaaaa 120  
 agtcaccctc aatagccaac atgtcagcca ccatttgatc tcccataacg ctgatgccta 180  
 ggatgacaat tgggtcctta ttacatactt gac 213

<210> 7264  
 <211> 475  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7264

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 ctttatttca ttaaacagca cctcaaata ctgtcaaaat tctggcctta tttgttatc 120  
 tgtgtaacat tactcatgtt gaaattactg ttaagtaaat tatttgatag tgtacaattt 180

tagggtaacc agtcaattc taagtctcta tcaggaatag aaataaaagc aagtcattga 240  
 tgaataatcc ttatccttac tactctaaac atgacagcaa cacaagacaa gattcattga 300  
 ccactacttt tactagaaat caaagccttg tattctggag gtacaaaagc cgaaaaatca 360  
 atgcttcata ttaagttttt tgctgtcacc accaagggtg gaataacatc tactcatgaa 420  
 tataattaaa ataatgaata agtaacagcc aaaattagtg gagcacttac atgta 475

<210> 7265  
 <211> 195  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7265

agcttgtagc anatgcaaac ggcaataacg ttttattcgg atgttcgatt gagtcacgtt 60  
 atacatcgaa acgctcgaaa ttgaaaacag aagctctgtg caaatttaaa cgacaataca 120  
 ttttaactcg gatgtccgat tgagtccgc tatatatcat gacactcgaa actgagaata 180  
 aaagctgtga acatc 195

<210> 7266  
 <211> 304  
 <212> DNA  
 <213> Glycine max

<400> 7266

atgcttttag atgctcacta aagtatgaaa ctttcagtac tttagttgat gacctactca 60  
 taggatacgg acataatctc tctctgacat ataatgtggc atatagatct ccagtgtgag 120  
 ccatgttcat taacacgatg agactgctca tagcatgacg tgtatgcacc tgttactgat 180  
 agctaactac gatgtatata aatcaagtca ctgtccttaa ttgataatta catacatatg 240  
 ctttcgcat aacacagatc agtactatcc acacaaacct ctgatctagt catggactga 300  
 tcca 304

<210> 7267  
 <211> 475  
 <212> DNA  
 <213> Glycine max

<400> 7267

agcttgtagg cctaggatct tcttcatcaa tggattcctt tgcttcttgg aaaatgaatg 60  
gcagcggaaat ggagaaggaa gagagagaga gagaggagac gccacttcaa ggagaagatg 120  
agtctagaag aagctcacca ccataagagg ccatggataa gagcttgggg gaagaaggag 180  
atgaatgaag ggagagggag agaagagcac tgaaatttgt gctccaaatg agctttgaaa 240  
tctgaatttt aatattcaaa tgatcaaagt tgaaaaaat gcacacacat gacctctatt 300  
tatagcctaa gtgtcacaca aaattggagg gaaattcaaa tttcacttga attggtggag 360  
ccaaactttg gagccaaaat ttcactaatt atgattagtg aattctagtt atgggttcagc 420  
ccactaatcc aagatcaatt ccaagattct ccactaagtg tgcttaggtg tcatg 475

<210> 7268

<211> 180

<212> DNA

<213> Glycine max

<400> 7268

agcttctatt ctgaatttcg agcgtctcga tatatttcgg gagacaatcg gacattctag 60  
ttacaagtta tcggcgtcag ctatagctca gtgcttatat tgttaatatt gaacgtcttg 120  
atatacctcg agagaccatt cgtcagccga tgaaaaatgt cctgtcgaat gcctatgctc 180

<210> 7269

<211> 344

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7269

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ctatgccagt tgaaagccat ggaggaaaga ggcattgcta tgctgatgtg gatgattcct 120  
cgagatatac ctgggtcaac tgtatcagat aaaaatcaca catcctngaa gtattcaatg 180  
agctgagtct aagacttcac ctagacatag actgtgtcat caagagactc atgagtgacc 240  
atggcaaaga gtacgaaaac agattgttta ctgaattctg ctcatgtgaa cgcactc 300  
atgagttgta tgagccatta caccacatca gagcgacata tatg 344

<210> 7270  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7270

agctntaatg gtcttgatac aattaaagaa gaatagaaca atccaatcat ggagagagag 60  
 agagagtaga gagagaaaca gtgggtggga gagagttagg actaggaaag agaggagagc 120  
 tagagtcaga tttcgagagt cagaggggttc ccatctgacc atcgaagggt tagccacagg 180  
 acagcgtcaa tcctacacgc gagcgaactg gagagaccat aaggacgtta tatcccttta 240  
 ctttacgagg ttcccgaag acgcaacagc aaaggatttg tggttccatt ttaaacagca 300  
 aggagacgtg agagaggttt tcatacccag ganaagaaac aaccaaggaa ggagatatgg 360  
 ttttgtgagg tataaggggg tgagagatgt gcatcaactt cagcagcatt tggacaatat 420  
 gctcttcgga ggaatgaaga tgaatg 446

<210> 7271  
 <211> 361  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7271

agctntatgc anantcaaac gacaataact ttttattcgg atgtctgact gagccccgca 60  
 atatatcaag acgctcgaca ttgaatggtg aacctatgag ccaatgtaca cgacaataac 120  
 tatttaatcg gatgtttgat tgagtcccggt attatattga gacgcttgaa attgaatgta 180  
 gaagcttgag gcacattcaa acgacattac ctctctactc ggatgtctaa ttgagtcccg 240  
 taatatatcg atactctcga aattgaatgt tgaacctatg agccaattta aacgacaata 300  
 acttntctac tcgtgatgtc tgattgagtc ccataatata tcatgacgct cgatattgaa 360  
 t 361

<210> 7272  
 <211> 327  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 7272

cgctntcaac aagagtcttc acatataacc atcatgaagc agataactaa cagaactacc 60  
catcatatct gccataatct catacccacg aaatttaata gagaaagaag tccacccaaa 120  
cctgaaatct cgaagtccca ctctgtataca cgcacattac gactccgaaa atgtctctct 180  
tttacgattt ggggcagaaa tgatggctca aggggttgaag cttgtctgga gcttcaatgg 240  
agaatgaagg agaagagaat ggctacgtga gggagagaga gagctgtctg aatagtgtgg 300  
gggctgactg aagagagaga aaagctt 327

<210> 7273

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7273

agcttggaga ggatgcttca atggaggaaa agaaagagag agatagagaa naagagaggg 60  
gagcacgaaa ttgaaggagg aaaaggggaa gagaagttga actttgagtt gtgtctcaca 120  
agactctcat tcatcaaagt tacaaaaagt gttacacatg cttctattta tagcctaggt 180  
agcttccttg agaaacttcc ttgagaagct ttcttgagaa acttccttga gaagcttctt 240  
tgagaagctt ccttgagaag ctagagctta gctacacaca cccctctaata aactaagctc 300  
acctccttga gaagtttctt tgagaagatt cctagagaag ttagagctta actacacacc 360  
cctctctaata agctaagctc acctccttga gatgagaagc tagagcttag ctacacaccc 420  
ccta 424

<210> 7274

<211> 404

<212> DNA

<213> Glycine max

<400> 7274

agcttttcga ttcattctat gtacccgtag tggttcacat tgtgtttcgc gcatttatat 60  
tctcgttttg ttactattt ataccctcct gttgacatgc ttaagccatt ttgcttaagt 120  
catttctcgc ttaacttaaa aataaaataa atttccatcg aacgtttgaa ttatattatc 180  
cgtaaacttc ggtaaatac aattccgacc gttcggtcat gccgttacca cgtttgaaat 240



caagaagagg taaaaaataa tataatattc aaaaaattat ctcttttagtg aaataaagcg 300  
gaaaatcaat cggacgtttc ctctttggga ttctcactc ttaatcgaat tgactaatga 360  
ctaaagtga actaatgtta taacttactc tcttagtata gctc 404

<210> 7275  
<211> 456  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7275

gagagtttgg actgggattc aaagttttgc atgtctaggt tttctagaga gagaaaggtc 60  
caagttccag agagttttga gagattatgc tgtgtgaaga ttgacagaga ccaaagcttg 120  
aagcaagagt cggtttgaga gcttgagatg agtttgtgag tgattgtgag atcctagagg 180  
tgaaggagac atgctcacca cttgtatttt tgcaatcttt catcttggtc ttctctttgt 240  
tgtaaagaag gcttcctggg atggaaagct aaatcctttg ttggatcttc tctgtaggta 300  
cctgatgtaa atatattttt atctatttaa taattntttg tgtgttctct gtgctatctg 360  
cttttcactc cagtatgcct ttaccttgat cacgtagatg catgctctgt tagggtcatt 420  
caacagtga aactggtcta actctaaagt ccttga 456

<210> 7276  
<211> 469  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7276

atattcttag tgtgtatata tgtctaataa ttggtttata tttacattta tatcttttct 60  
gagttttatt taatgtgcc acaacaaaa taaaaataaa ataaacagcg caaaaaaat 120  
ttcattgact agaaaaatgc tgaaactagc cttagcctat actaatttaa taaatttagt 180  
atcggcttag cctacattaa aagaaaaaac ttctcagtc ttacttgact aatataatta 240  
ttaatgctta ttgcttgacc gttgagagac attcacaaaa gaaattataa tgaatagaga 300  
tagagtacag gcctatgtaa ttaaaaaacat gaacatatng gtattttntc tggtaaggta 360  
cagctcatcc tcgtcttctc ccataatat aaataagtat taagtactga tgaacagcat 420

gtgtgattac tactcaatta atgtacgcat aagttcaact atagtgatc

469

<210> 7277  
<211> 481  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7277

agcttctttt ggaccttgaa caagcaatca actcctctnt cagaaccatg ctatgtgctc 60  
gcgactggtc cctttcttcc cttegcaact tgagttcatt attgctaccc catagagctc 120  
cgcgaaattt gttccggcca tactcttctt tgcgagccct cttggtttct tgttcaaggg 180  
ctcttgcggt aattgcattc tcttcccgta acccggcaca ctcttccga acgtgtgtag 240  
cagccaactt gaacttctcc ttggcgagtt ttgcctttcc taactcgctt ttgagagctt 300  
ggacttcttc gtcctcttcc ggtgcttcaa aattctcttc gctgacgact tttaacttgg 360  
cgagccaatc taaacctcgt atgcgaactc tcagtcattc gtggtacca ccaatgatgc 420  
cattacgaat gcctctaagc tcttgatctt tccttaacgg ggtntcccat gccttatgga 480  
t 481

<210> 7278  
<211> 343  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7278

ctatgtaccc gtagtgggcc acattgngnt tcgtgctttt tattctcgng aagggtacta 60  
tttatacccc ctgttgacgt gcttaaacca tctacttaa gtcattcctc gcttaactta 120  
aaaataaaat aaatttccac cgaacgtttg aattgtatta tccgntaact tcggttaaaa 180  
tgaatttcga ccgttcgggc gtgccgtaac cacgttggaa atcaaaaaag aggctaaaaa 240  
taatataata atcaaaaaaa catcttttag taaaataaag cggaaaatca atctgacgtt 300  
ttctctttgg gatttctcat tcttaatcca attgagtaat aac 343

<210> 7279  
<211> 252

<212> DNA  
<213> Glycine max

<400> 7279

aatctgatgt ctctatgtta cacactttgt attatatata ctagtattta gcagcaatta 60  
cttgggatca tcacatctcc acctcccaat attaatcatt cttattataa tatcacatga 120  
gaagacgtta taggctgatt cactgctgta catacatgac atattgaacg tacgctcgtc 180  
atcgtattgg ggagacgtac aacaattgac gctctgttac aactaatcct gttcgtgaca 240  
cgattgtaca aa 252

<210> 7280  
<211> 446  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7280

tactcaagcc ttctccctat nttgctataa atagggggag aagtgaataa gataatgggt 60  
cagcccccta ggcaattctc tctctctcga aattgctgag gaaaattatt tccgtgaaga 120  
aaatccaagc cgaggcgctt tcgtaacggt tccgtgagaa attgcacgaa gattctcggc 180  
cgttcttcaa gattcatcgt tcgttcttcg ttttcttcag tcttcaacgg gtaagtacct 240  
caaaccaagc ttttcaattc attctatgta cccgtgggtg tccacatttt gggtcatgta 300  
tttgtattct cgttgtcatt tactttctat accccctttt gacgtgctta agccatttat 360  
ttaagtcatt tctcgcttaa tctaaaaata agataaatta ctaccgatcg tttgaattgt 420  
atcatccgcy aatttcgggt aaaatg 446

<210> 7281  
<211> 479  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7281

aatactcaag ccttggatag aggtattaat taanattctt aaaaatctat ccactttaaa 60  
taaatagaag tgaagtaaca tggatttggt gtggtgcgga caacgaatta aattgtaacc 120  
cccaacatta aaatgtaatg tgtcaaaatg aaaatgtgtt tctaattcta ttagtgtaat 180

gtgttttcggt gtttctaacc cccaacatat taaattgtta atattntatt aaaagcacta 240  
aaggaaataa cgcagtagca caccttccct gattgtcaaa ttattttttt agtttttaat 300  
atatatatat atatatatat atatatatat atatatatat gtgtgtgtgt gtgtgtgtgt 360  
gtgtgtgtgt gtgtgtgtgt atcgatccct aacaaaattt ataccttact caccgcgtcc 420  
cagctggaca atcggatctt aaacttacct tcgcactcac ccattctcta tatattcca 479

<210> 7282  
<211> 456  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7282

aaggaaatga tcaaaatgat aacagtatat atgttctggc agcatacaca acgccacaca 60  
gaaacataga aactacctg ctgaggatgc aatccactcc ctacttacag tagacactca 120  
gagagacatt ctttctgctg ccagttctag tgctacaatc cacatagaac aatatctgaa 180  
ccatattctt atccatattc ttatcacaca gtcctatcag tagtcatagg ggctaacata 240  
gaaaagtcca caacatggaa gttcactttt aacaagagac aaataagaga gcaaaaaaaaa 300  
tcacaaataa caaatggctc actactgtac ctgcttaaac acatacaatc attccaaagt 360  
tagatacata atacattatc ttaaagcatc aagagaaact tacgatacac ttgaanaaga 420  
taaataagtt cattcccagt tgacaaaaca atgtct 456

<210> 7283  
<211> 442  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7283

atatattatt tagacactnn anaacacaac taaatttttg atttctctnc atctttctct 60  
ttgtatatgt tactaatttt ctatccacca catatccatc atatttatat tcttccccta 120  
ctatttcttt atcttactgg gtgccaaaaa tagcatataa gatgtacaca aataattttt 180  
gtaagcttaa actacagatg aaaaatccta cctagtcacc tacttgccat caccatattt 240  
tagtcctgc accttgatag tttgattaaa gataaaaaaa tgcaacccat atatgatatt 300

tggaggccat gcatgttttg tcaaacatat aaaccgtgaa atttgactca catgttggct 360  
 cgcctaacct tctaatttct aatccatgct catgaatcat gatataatgg attaagctag 420  
 cctagttgta catacaccca tg 442

<210> 7284  
 <211> 453  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7284

ttaggctgtt caattgcttc agattgctgc acaaaagggc aaatgtctgt gtgggtggctg 60  
 gtagaggagc ataaaccaca gaatttggtg acagggtgcaa atttttgatt catggccagt 120  
 tgggttaccg ggttaactaa ggcattctagt ttaccttcaa gcttcttagt ctcagctgat 180  
 gaagatgaat tcatggctac ttcattgcatt cctctaata caatagcatc atttctagca 240  
 ctaaattgct aggagtttga agccattcttc taaattaaat ttcaggcttc agtanggttc 300  
 atgtctccaa aggctccacc actggaaaca tctatcatac ttcgctccat gttactgagt 360  
 ccttcataa aatattggag aagaagctgc tcagaaatct ggtggtgagg gcaactggca 420  
 catagtttct tacaatctct ccagtattca tat 453

<210> 7285  
 <211> 203  
 <212> DNA  
 <213> Glycine max  
 <400> 7285

tatcgagacg ctcgcaattg aataccgaag acgctaagca aattccaacg acaagaactt 60  
 cttactcgga tgtctgattg agtccccctca tatatcgaaa agctccaatg tgaatgtcga 120  
 atctctgatc aaatttaaac aacaataact atttacttcg atgtctgatt gaaggccctc 180  
 atatattaaa atgctcgaaa tgg 203

<210> 7286  
 <211> 471  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7286

cttgtaaata tatgaattcc atgaatntaa aatgacacan aaggatgcc aagtatgaac 60  
 aatctataaa atatgaattc cattaattta aaatcacaca aaaatatgaa ttccatcaat 120  
 tccatgaatt taaaatccag aggtatagaa gaaggaactg agtttcttct tgtcgactat 180  
 gaatagaaga agccatccaa accttgtttt gtctaagctc tagtctcaga ttttctatat 240  
 caattctacc tttttccttg actcctaaat cttctattac taaatgaaaa gcagtgatga 300  
 gacaagatta gcacagaggt tgttttaatc atttatcagt actgagtgtg gcaaagggtg 360  
 tacctgtggc ttgngttcca aaaagctttg cttgctagca gttgttttca tttctagcat 420  
 cactttgggt gtaggtnta tgctangcac aagtgttct ggatagatat t 471

<210> 7287  
 <211> 456  
 <212> DNA  
 <213> Glycine max

<400> 7287  
 aagcttgagt cgaggaagtg tagaaaggtg aaacttcttg ctgttattct ttgtttccag 60  
 agcggtagct ggagatatgt cgcggcgggtg aggagacctt gaggacgtca ggtgggggtgc 120  
 tattgccc aaaccaagctt gaccaatccc gaccacaacc gggcatagtc ggtcagtgag 180  
 aacctgtgat gtacctaaac aggcgagctc ctggcagtc acagataaaa ggaacaaaga 240  
 ccacaaagca aggaggcttg tgggtggctgg ccagctgtga aacttgattg atatgtgaga 300  
 tatggtctct ggtaatcgac taccaagggt gggtaatcga ttacaaggct taataatgaa 360  
 gacaggaggc taagatggtc tctggtaatc gattaccaac ggggtgaatc gattaccagg 420  
 cttgaaaacg aagtcaggaa actaaggag cctctg 456

<210> 7288  
 <211> 432  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7288

tcgtgaggaa tgccttgtgc ttagatagca tgaattatcc cttcgatnat atgtatgcgt 60

gtaaatatgt agcatgaaat gccttgcaaa atgttgaatg aaatgccttg caaaatgttg 120  
aataaaatgc cttgcaaaat atgaatatat atagcatgaa gtgccttaca aagtgtcttg 180  
ataggtagcg taaaagtatt ttccaaaata tgtgtatttg tgagtaggta gcaaaagaag 240  
ccttccaata aaaaaatgtg tgtatatata taggatgtag catgaagagg tttgtcaaaa 300  
aaatatgtac atggatgtgt gtcataaaat gcctctcacc aaactattat gtgtgcaaat 360  
gcatgtgtca taaaagaaca cgcccccaat atgattatit tataaagagc atgttgacac 420  
tcgcgccata tg 432

<210> 7289  
<211> 212  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7289

atgagtcatg acaacagctt tcagaattgc cccatgtatg gtgttgcttg tcaatgttag 60  
gattcaacaa gcgattcttc tcanatttca gccagcccat atcaattaga cttcacactt 120  
tatgcttcgg ggtcatacaa tgctcaatgg aatgccccng ggctcctnca tgataagcac 180  
acgttgcggt tgagtcgtat ccttagaaaa at 212

<210> 7290  
<211> 420  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7290

acattgatgt ttgtatttat gggaggaggt tgtacgccat ttttgtttta agagtagtgt 60  
cccactggta aaactaactt tccaaatttt tgccttcgca ggaaatggcc ccgaggaagc 120  
ttgcctcaaa gaggtccagg aaggacaagg cagccgaagg aactagttec gctccggagt 180  
atgacagtca ccgcttttagg agcactgtac accagcagcg cttcgaggcc atcaagggat 240  
ggtcgtttct ccgggagcga cgcgtccagc tcanggacga cgagtatact aatttccagg 300  
aggaaatagg ggcgcggcgg tgggcatcac tggttactcc catggccaag tttgatccag 360  
aaatagtcct tgagttntat gccaatgctt ggccaacaga ggagggcggt cgtgacatga 420

<210> 7291  
 <211> 468  
 <212> DNA  
 <213> Glycine max

<400> 7291

tactcaagct tagcagttta ttcactcttt tagtattggt gaatcatttt attcattcaa 60  
 actttttgttt gtgaaagtca agagtgaatt agtggttatgg aatacttggg tggctcttaga 120  
 ttcaaaagga gtggcaggac aaaatacttg tttgtaatta aagttttgat tagtagaatt 180  
 ctttacagtc acataaagga gaattgaaca ttgctttggt taagtgaact agtataaacc 240  
 aagtgttacc acatctttct taattgggtt tattgagtat tcttttaagc ttatcttgac 300  
 accgtttctc accaagtgtt tacctgaaaa acctttgtgg aaatattact ttattattac 360  
 tggacgacca aacttggttt tcatcaaact tgttttgctt attagtggat gactccattg 420  
 catctatctt tttggacgtg gaataaaaagc ctctatttga aaaatggt 468

<210> 7292  
 <211> 482  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7292

tactcagctt ctaaggaagc tacctagtct ataaatagaa gcatttgtaa cacttggtgt 60  
 aactttgatg aatgaaagtc ttatgagaca cactccaaag ttccacttct cccctctttt 120  
 tattccttca atttcgtgct cccctcttct ctctttcttt ttctccatta aagcctctc 180  
 ttcaagcttc ttatccaagg cacattcttg gtggtgaagc tccttcttcc atggcttatt 240  
 ccctagtgga tggtgccctcc cctctcttct tctcctttgc ctccgctgc ctccatagaa 300  
 gctccacaag caagcttcca tcaagtggta tcaaagcaca agagcttcta gtaggtgctc 360  
 cttanaccta cattaatgct ttgctttacc ttctcacatg tcttgtgcta aatgttgcta 420  
 acatgattct ttagagtttc caccgattaa acttgctata gaagctagat ttgattntct 480  
 at 482

<210> 7293  
 <211> 454



<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7293  
  
 ctacacaaat ntaattccta aatgacttta tctctacaga gctataaagg ttcataattta 60  
 ttaatataat tcaaacattt catgcatgct ttcagttgtg tgttttagatc aatgtttctca 120  
 tataatagtc tttaaacctt caaattttgt atcttgtctg tagggggttg gatcccttag 180  
 cccctctctt cttttcactg agtgatatgc cttcaaattt atcagtgaga tcctaaatca 240  
 tattcaatct gtaatagttt aatgtgtgta tatatgtgtg caactctttt attactacct 300  
 ctntgttttt gctctttcac ctttcaacct atccatttaa tgttgcatgt actctgcctt 360  
 aaattggatt atgcaatatg atatttatct atgggtggata ttgatatgga gtctcttacc 420  
 taccatatag aanacaaatg tctccataat ttga 454

<210> 7294  
 <211> 455  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7294  
  
 tactcaagct tgtccaanat gcaaacaata ataattgtca aacggatatc ctattgagta 60  
 ttgtaatata tcgagacgct tgtaatggaa aacagaagct cgtagaaaat gcaaactcgca 120  
 ataactttta actcggatga tcgattgagt cccgtaatat atcgagacac tcgaaattga 180  
 aagcagaagc tctgagcaaa ttctaacgac aataactttt gactcggata tccgattgag 240  
 tcatttaata attcgagacg ctcaaaattg aatacagaag ctctatgcaa attcaaatga 300  
 cagtaacttt cgactcggat gtccgattga gtcattttat gaattgagac gctcaaaatt 360  
 gaatgcacga gctcttacca gatccaaatg acaataactt tntactcgga tgtacgattg 420  
 agtgccgtaa tatatctaga cgctcaatat tgaaa 455

<210> 7295  
 <211> 479  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations

<400> 7295

tactcaagct cttatccatg gcttcctatg gtgggtgagct tcttctttac tttcttctcc 60  
ttaaagtggc gtctccaatc atcattcttc catctccatt ccgctgtcat taatcttcaa 120  
gaagcaaagg actccattga tgaagaagat ccaaggccta caagctccac aaggagctac 180  
atcatttttg gtttgatata tagactttta gtccactatt actattgtgt agggtagatt 240  
tgtcctttgc aacaattaat aagtataaat taacataaat atctcatcat caatataata 300  
ttctcaacaa caacatgata aattacaaac aaaaaattat agaccaaccc acccatcata 360  
aatatgtatg actttaccat tataacaatt ntatacttca tgtttaaggg tatcaaaacc 420  
cctcataagt ctttggttac tatctccttc atcttttatt atgtgcatat gaccttcat 479

<210> 7296

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7296

tgatgctnga gtgtccacat ggggtgcatgc atgaccagtt ntgcataaaa tttcctaatac 60  
atcattgttg catgtgtttc atggaaataa tgtaggacat cccctttatc cccgaaccgc 120  
tggccaaatc ctgacatgta tcatgaccag ccgttctaca agccttgagc caaaatccta 180  
actcaccata atccttacc cccgaagaaa acacaaagag aaggaaaatt cccaatccaa 240  
gaaagggaga agacacaaaa aaaggaagag agaattccca atccaagaaa gggagaagac 300  
acaaaacaga aagaaaattc ccgatgaaag agtgggagaa agcaaaataa aaaaagaaag 360  
aaaaattctc gatcaaggat ccgaagaaaa cagaagaaac atgcagaaag gtcttttagac 420  
cagacaatat ctgaacaata c 441

<210> 7297

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7297

cggattcttt ttactctgga aacctcttct ttctatgtga acctcaaccc aatctctggg 60



gtttatgata ctattacaat tttggcagca cgtgatgtag aaagtatgac attctgcatc 240  
 ggttataggc acaactgatg tagaatgggt tagaaagatt aacattctac aacgggttcgg 300  
 cgттаатаас сгатгтагаа тгттсактат тсгаксасгс сттггаксаг асасссатст 360  
 тсгаатггт гггтаттсгак атсгггсгак таатсат 397

<210> 7300  
 <211> 575  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7300

ccacaccgtt ctgcatgact gccgcgatat ttcgtggcga attaccggcg ctctacgcct 60  
 gcacaatatg cctgctaact atcgcttcgt cacntttccg gccctgannn nnaaccgac 120  
 ggctcactgt cacagattgc acccaacaat accgaactct tttcttctct aggctatcag 180  
 aagccctccc tggaatgttg gcatatcaag agctatccgc gcatgtcttg ttaggaagca 240  
 ctccctcac tctctactat tgaattgact cgcaacctga cctttggcgg gggtgtgaca 300  
 aggctatcg aatggggcaa cggagcatct gccgatgaag gaaaatgtgc ggagtcacca 360  
 tcagcgttta tgtgacgata acgtcctacc aaccaagatg gaacaggccg agggtttgcg 420  
 tgtctcgaaa atcaagatac tacagttgtc gtcgcccagg aggtattaac accatacaca 480  
 cccgacacaa gcaatgcaga tacaccaaag tgtataatat gactgaacac atacgttcct 540  
 ggtggctgat ttacatcctg attacaccta cgccc 575

<210> 7301  
 <211> 590  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7301

ccacagctcg ccgcccgaca cccgtaagtt tgcggacgga taactagttg tgacacacct 60  
 ccgcgcgctc gctnntcgcg ccgactatgc gctcgtagcg ctctccngc cngannnnnn 120  
 agcactctac gcgcaggtgt gggagacgaa cgccaagcag gcccaatata ctatgatgat 180  
 gtgacgcaca cagaggacca gagtccacct agccctactg accaccaatg agggacatcc 240

caaagggatg aaccacccgg cattgacaac cacagaacac tgtataccta tacagctgga 300  
aaggcactat aagtgcgcct acgacaaaaa gtagcaattg cggcaggcgc ctagccaggt 360  
ctgatcgaga tagctataat gcaacgatct tgcctcatca gccagtagca cgctgaacat 420  
gcaaattccat acgcacgagt acgccttgta ctgcaccgct acaagaagga cgacggccct 480  
gccagtacaa cccctgagga cacctactac ggggtgcctga cgcaatcgat gcgcacagaa 540  
aggacaacga tctgtagctc caccaaacta gagggatggc acccagcca 590

<210> 7302  
<211> 480  
<212> DNA  
<213> Glycine max

<400> 7302

gcttccttga gaagctagag cttagctaca caccatata atagcttagc tcaccccat 60  
gaaaaaaaaa catgaaaata caaaaaaaaa atcgtactac aaagactact caaaatgcc 120  
tgaaatacaa ggctaaaacc ctatactact agaattggcca aaatacaagg cccaaaagaa 180  
gaaaacaacc tattctacta tttaaaaaa agagtggacc caaccttggc ccatgggctc 240  
aaaaatctac cctaaggttc atgagaaccc taaggccttc tttatcaact ctgcctaat 300  
cctcttgag cctcttgctc atggctctgg taactgggcc tttcctaggg aggattgcat 360  
catccctcc ccttgaaga ggatttgacc tcaaatctgt tggttcctcc tcctctatat 420  
cagctccacc tgcaaaagga attagatcag aaatattaaa agtggtgcta acctcact 480

<210> 7303  
<211> 408  
<212> DNA  
<213> Glycine max

<400> 7303

aacacgacat ggagactatc tagcatagct aataggaag acaacaacta aacattccca 60  
gatggtaagc gtgcaattat aaatcccaat tccactgcag tacatgatca caattcctat 120  
taactgctat tggcagtaac caagttcata aagaacagtc cacaactcaa tgccggccgga 180  
tctgcccgca atatccctaa atcgacagcc atgcgaccac aatctaaaac cttggtagta 240  
acataagcat ggggccaaat acatgaataa gagaggctag ttttacttta cccctgagca 300

aatatgcgac cagcctcaag agcattgtga ccaacttcac tattacccat gtcattttct 360  
gttggaaagt ctacagcggg accatgagcc ctaaccaatc tccatcgt 408

<210> 7304  
<211> 465  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7304

tactcagctt gtctaccatc gaactcgggt ntagacgtga cgcattaaat gtaagtttct 60  
tcagggtggtc tttggcatca catttaaact tgaaccattg tcgatgagta ccttanggat 120  
gacatggtcc atgcatctga cagacacatg tagagctttg ttatgctctc tcccccaac 180  
tggaatctct tcttccgcga acgcgatata gttattggta gttatgtgat taacaatgcc 240  
ttcaaaaccc tcgactaaga tgtcgtgtgc tacgtgggct tcggtgagga cctttaccaa 300  
tagtgcacga tgaggctcgg agtttatgag caattcgagc aaagagatcc ttggtggggt 360  
tttattcaat tgctcaacta ctntaaagtc actctgttgg atgagacgaa cgaactcatg 420  
agcctcttcc aaggtcacca cctttccttg aagaccttct ttctt 465

<210> 7305  
<211> 470  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7305

tactcaagct tctcatgctg agtaggaccc cagtagtacc ctntcaatcc cactacattg 60  
ggatgcctga tgtttgcaat ttttttagcc tctttggtaa attcttttct ctttgttgcc 120  
attccttctc ttagccactt cactctcaat aacaaacat gctccagagt tgccttgtaa 180  
gatgtaccat gactgcttct ccccaaaact tcagctgggg ctccagacag ctctcatgt 240  
gtcaatgtta ttgcatcatc aagaaaataa agttctccag tcaatttatc tgctgatctt 300  
gcatatagtc ttgcatgatt tcctacagaa actgaatcac tagatcctgg tgatgaaaag 360  
tggctatttt ttgatgggga gaaccttggt gcagctgccca ttttttcac atggctgata 420  
atctcagatg acgaaccttt ctgtgaggtc acaaaatcct cggctgatac 470

<210> 7306  
 <211> 437  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7306

tactcaagct tgtatctgtg gattcacttt cgatctcaac tataaccataa ggtataacat 60  
 tattcaccac aaaaggacca atccactttg acctcaactt accactcatg agtccgagcc 120  
 tagagttata caataaattt ttttgtccaa ccacaaagtt cttcttagct atcaagctgt 180  
 catggaactt cttggtcttc tccatagtaga atttggaatt ctcataggct tctaaacgga 240  
 tctcatctag ctcaacttagt tgcaacttcc tttcctctcc agcctgggtcc ataaagaagt 300  
 tgcaagtctt tacagcccag taggctttgt actctatctc tacaggaaga tggcatgtct 360  
 tgccaaagac aacccgataa ggagacgttc ctatgggtgc tntgtacgca gtcctatgcg 420  
 cccaanaagc atcatct 437

<210> 7307  
 <211> 339  
 <212> DNA  
 <213> Glycine max

<400> 7307

tcaagctgtc gacatcggtc gcttatgaat tactcttttg gtttttttag aggaaacctt 60  
 caatcctaga acgcaatgtg gcggacaaaa gtggccaatt aacttgaatg accattattg 120  
 tcaatgcaca aagtattctg cttttcacta tccatgttca cacattattg ctgttcatgg 180  
 ttacgtgagc atgaattatt atcaatatgt agacgttgct tacacatatg agcatatcct 240  
 taaagcttat tccgagcaat ggcggcctct tgggaatgaa gcggctattc ctccttatca 300  
 tgagccatgg acacttatac catatccaag tacaattcg 339

<210> 7308  
 <211> 459  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7308

ngatatgtaa ttatgtcttt tcaagaatga cctttatcag ttttacaatt ggcggcaatt 60  
 tgaattctaa ggtaaattt gttgtgatga agggttcaac actaatgaaa cctactgcta 120  
 gtctgttggc taagcaaaat cagccccatc caattgttag ctcaagggtga ttattggaga 180  
 aacttgtcct ttgtcatggg tcaaggcatg aattattagt gaaaatcaaa cagtcttgca 240  
 acgcttgatt agttggcaaa cattttttga attgaatcat gtcactgcat tctaccataa 300  
 gatatttgtt tgctccgcat ggtgcattga tataaatgct ttctttcttg gatgggtact 360  
 ctgttcttta tgaaatcgtg aattgtatta agtaggattg ccagagtatt actgcattta 420  
 ttccctactt ttctctttgt gctatgatgt ttatgggtg 459

<210> 7309  
 <211> 323  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7309

cgngtgatgt tgcgcgtact gatggatacc atgatgtgtt tgctgggctt tgacccacgc 60  
 ggggtgttgaa gagacagcat gggcatctcc cttcttactt tatgacctg cagccccgat 120  
 tcttttggca ttgcggttg tggaggaaac gttatccaac tttgctactt tcaaggctac 180  
 ctcgattcta tactcggcaa acaccaaagc cgctaagctg gactgcatgt cacctactag 240  
 cttctcatag ctttaactg gcagcaggtc actcatatgg tgatcatctc tctctcaaca 300  
 tgggaggagc tcttgtgccc ccg 323

<210> 7310  
 <211> 462  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7310

aaaaatagac agcttcagtt ntgaaacatg caaattatta ttctcttttt ctatcataat 60  
 ttacatata tatttctttg ttgtttttct ccttttattt ttgtcttctt attagcattg 120  
 tgttgcgagt atgtttaact tgagggtaaa tctaaacacg ctcatgttaa aactttgaga 180  
 aaacaaataa atttagttaa gtcaatttga gtatttgttt ttttgtaaa attattttta 240



atgtgctaaa ataatgtttg ttataccaat ttttgttttt taaaattttt attttgaaca 300  
aaataactaa aaggtttaat ataaattcag ttataaataa tttttgtgtc atgcagaaga 360  
gatgttttga taaattattt atatagtcaa tattttggaa tatataacta ttaatatttt 420  
atatgaaaat taatatatat ntatttaaatt attcatgttg ac 462

<210>	7311
<211>	466
<212>	DNA
<213>	Glycine max

aagcttttagc	agcagggtatt	aataatccct	tggaattcgg	ccaacttgtc	ttactaacga	60
acaaagcaca	gggaattcgt	gaatagatta	tgaaaattga	aaaagtcgta	ccaagaaaaa	120
ataataaaaa	taaatcgct	gacatggcaa	aaaaataatc	ctaaatcctg	aaatgaatta	180
acggaaacga	tgagtttaat	tcccataaaa	gcaagttctc	gtaagtaaag	gacaagttaa	240
tttacatatt	acatgttaat	gtaaaaaaaa	aaaaaaagct	ggagggagaa	aagcagacca	300
atgcgggcagc	gaattattat	tcattcattt	ataaatagct	agagaaagag	aaatactgaa	360
ttactgatca	tataagtatg	attcttcatg	gttaaaactgg	gaattgtacc	aagtgagggt	420
tccaatgaga	atatagccca	ttagcattac	tgatggaagc	aaaatt		466

caagatcatt	tgaactgggt	acagccgtgc	ctttctgagt	tcgaattaag	gaactgtaaa	60
gttgtcgagt	gacctgcagt	ttccatggcg	aacataatgt	gctttgttag	tcttaaccgt	120
atagttgggc	ctatgattta	tggttttgtt	cttgttaggg	cgtttgtctt	ttgctatcag	180
atatataaaa	tacgatatct	tcttcatttg	ttcttgcacc	ttcatacatt	ctcattcatc	240
tgtatgttta	tttctgtgaa	ggtactaata	ccgaggacct	tgacgtcgat	tatgagcgaa	300
tagcaaacca	agctgaggat	gaagaagata	aagatgcggg	gtttccccta	tagctagaaa	360
ggatggtcac	acagganaac	cgataaatga	agccacacga	agaagagacg	gaaa	414

<210> 7313  
 <211> 421  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7313

gaatcaagcc aaggctattg tgcaagcaat caatggggca aaacacacca aatgattata 60  
 atgatggatg gctcaaattc tcacaaaggt aaaatcatca ctttcaaatt gagctttcaa 120  
 aactatcatg acatgtagag aagaatcaag gatttcaagt cacaaaatgt caagaacttt 180  
 tattttcaaa acaattaccc atttcttgaa catatcctat aattcaaaga anaacatgca 240  
 aagtcgtacg tgcacacaaa attgacccaa aatattaaac tgaaaatccg acgaaactaa 300  
 caacattaac aaattaacac aactaacaaa ttaacaaaac caacaaaact agcaaaacca 360  
 aagaacactc ccnccccccc ccatacttaa acaacacatt gtcctcaatg tagcacaatt 420  
 a 421

<210> 7314  
 <211> 390  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7314

gaaagaaggt tgtcttcgaa cccggagatt gggtttgggt gcacatgaga aaagaaaggt 60  
 ttccggaaca gaggaaatca aagcttcaac aatggggaga tggaccattt caagtgcttg 120  
 aaagaatcaa tgacaatgct tacaaagttg agctgcccgg tgagtataat gttagttcca 180  
 ccttcaatgt ctttgattta cctctttttg atgcagatgt agaatccgat ttgaggacaa 240  
 atcctttctca agaggagag aatgatgagg acatgaccaa gagcaagggc aaggatccac 300  
 ttgaaggact tggaggacct atgacaaggg ctagagcaag gaaagccaag gaagctcttc 360  
 aacaagtgt gtccatacta tttgaataca 390

<210> 7315  
 <211> 600  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 7315

cccgccacgc ntacgttggc agtgtctcaa acgaggcggc angcgcccg cacaatctga 60  
cacgagcgga tnnntngtac gtgnagaccc gcgactgact cgtcccctgc aaagccgnnn 120  
naaggcgggc gcgagggcaa caccccaagg agttcggnca acatctttca ttatctacat 180  
cgcttcaggg aaccagaaa tacaatatga gaactgagga ggccaaacca ctataaaagc 240  
gtcataataa ctcgagtggc atggcgaaaa agtaatactg gaaggtgcaa cgaaataacg 300  
gcaacgacga gcggaagaga aaacaaagca caatcttaaa tgaaaggaca tagcaacaca 360  
cacacgacac gtaaacgtaa agaccccaaa acagcgcgag ggagacaacc agaggcatgc 420  
ggcagcgagt nattagtcag gcatggcgca ctagctgcag aaagagaaat actgaagcac 480  
tgctcctgta aggcagcacc tacatggcca aacagggaac agaccgacag acggctccaa 540  
tgagaatcca gcccatagca ttaccgatgg aagccgcacc gaaactaact cggagcccca 600

<210> 7316  
<211> 463  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7316

cagctcgccc aggcgagcaa ggttgcttcc tccagaataa acaaccttct ggaggaatct 60  
tttgaggggc ccaagtggac ctggttgcta ttacacccc cctttttact aaatgcaccc 120  
ccttatatat ttttctgtaa ttctttttcc gtaacgttac gaaactttac gaatttcgta 180  
acgatactta ttttcctttc cgcaagggtta cgaatcctta cggatttatg tattttactct 240  
ttttggcttt caaagaagtt acggaaactc acggattgcg caaaaacacc tcttttcgat 300  
ttccgccaca ttacggaatt tcacggatta cgcaagcctg cttccttttg gattttctgag 360  
acgtctcggg acttcattta ttgcatgtca tcaatttata atcctcggac gaaattaagg 420  
tatgacagtt gccctctnt acttacctct catcggagat aag 463

<210> 7317  
<211> 370  
<212> DNA  
<213> Glycine max

<400> 7317

tatttttttt taatccatgc ttgagcttta agtgctcgaa tcaactcaaa tcgtttacac 60  
aaggtttctc taatacacac acaaatgcat ataacttcta attataagaa aatttcaagt 120  
acagtataaa atatttatga attagtatat taattactta ataattcaaa gattggattg 180  
ctaaatatca tgttctgtta aaagtttctt gattttcagt gtgtgaagtt gattgagctg 240  
ttcccatact ccttacaat aataataaga aaatgaagta aaaataaaaa aagacaacta 300  
aaggagttcc cggaaacaga caataataga aataactgac ccaccaagaa ggcatagtct 360  
aagaaccttc 370

<210> 7318

<211> 195

<212> DNA

<213> Glycine max

<400> 7318

gccctatagt gagtcgtatt acaattcact ggccgctcgtt ttacaacgtc gtgactggga 60  
aaaccctggc gttaccaaac ttaatcgctt tgcagcacat ccccttttcg ccagctggcg 120  
taatagcgaa gagggccgca ccgatcgccc ttcccaacag ttgcgcaacc tgaatggcga 180  
atggcgcttg atgcg 195

<210> 7319

<211> 372

<212> DNA

<213> Glycine max

<400> 7319

tgaggaagtg ttgaaagggtg aaacttcttg cttttattgt tgaccacaga gtggtacctg 60  
gagatatgtc gcgggggtca agagaccttg gggacgtcaa gtgggggtgct attgccccaa 120  
accaagcttg actaatcccg acccaacccg ggcatagtcg gtcagtgaga acctgtgatg 180  
tacctaaata ggcgagctcc tggcagtcga cagatgaaag gaacaaagac cacatagcaa 240  
ggaggcttgt ggtggctggc cagctgtgaa ctttgattga tatgtgggtt atggcctctg 300  
gtaatcgatt accaacggtg ggtaatcgat tacaaagctt aaaaatgaag acaggaggct 360  
aagatggtct ct 372

<210> 7320  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7320

ctaagcttgg caggccgatt atgtcntttt gatcaacatg aagatgctat tgnnggatct 60  
 ctcaagcaaa gcttggtatg ctggtttttg tcttggtatt gccatattat gatttttgac 120  
 ttctgagaaa taaaatctat aaccatttct tgggtctaaa tttatgcagc tgttggttaa 180  
 tgttgtaacc atagtttaat gtgcattcta atgtacattc acaatattgt tgtaaattatt 240  
 ttaattgttt gacaggatgt aatgttaa at ggcgtacaa tatttcattt tctgcgttta 300  
 tgatgcatgt tgaaa 315

<210> 7321  
 <211> 409  
 <212> DNA  
 <213> Glycine max

<400> 7321

tgagcgcttg ccatagcttc taactcaagc cttctggcct catatacttg ggaagcctct 60  
 tctgcagtgt tgaaagtgcc taacatata cgattgttct gaaatgggtt atagatctca 120  
 gaagcccatt taccatctt tctctgctg acacctctat atttaccagg agtcttcctc 180  
 ctgctgatg gggatgagt caaaaccctc ttcttacttt ggggttgacc tttagtgcta 240  
 accctcattg tatttatttt gttattcaac tcacaagaac tagtttcaag agtgggtgaat 300  
 gtgtgaagaa gacggagaag agagatctca cacatacttc ttttaactat tctcgggttc 360  
 tgaatcctct tggagtcac atcggtgaa tcagtagcat caggatcgt 409

<210> 7322  
 <211> 321  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7322

gcttcgccat atattacggg actcaatcgg acatccaagt taaaagttat tgtcgctnga 60

[illegible]

<400> 7323

<210>	7324
<211>	377
<212>	DNA
<213>	Glycine max

[illegible]

<210> 7325  
 <211> 137  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7325

gtctcacatt atctgcctca attcttggag tgcagcttat gtatctattg ngtaacttca 60  
 ctcagtgtca attgatttta agatgaaatc taacatggta tcagaacca taatctatct 120  
 tggttctcgc ctattct 137

<210> 7326  
 <211> 412  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7326

tctaagttct ttaacaagct atgaacaata tacnatectc ttcattaact gtctctcgc 60  
 ttggcggcca cgctcaacaa agtactttcg acacctactg tacgttgatt tgaccaatgc 120  
 tgttatggga atattgcgac aatctttcaa aaccttggtg atacattctg agagggttgg 180  
 tgtcatgtgg ccatatcaac gtgcttctct atcataagcc atcgaccatt tttcctttga 240  
 aatgcgatca attcatgttg ctatggctgg actcaattca cgaaatattt ctaaagtgtg 300  
 ataaaaaatg tgcttgggaag agtgtacgct gcctaaaatt agatatcaat aacgtggatg 360  
 agtctctatg aaacgtaaat aaaccggacc atcaaatac aaatcttacc ca 412

<210> 7327  
 <211> 152  
 <212> DNA  
 <213> Glycine max

<400> 7327

agaagtgaat atgattttcg ttcateccctc ctggtaattc aagaatcact tgaaattagt 60  
 gaaaaaaatt gggttcgtga agaaaatccg agccgaggcg cttccgttac gttttcgtgg 120  
 ggattatcgc gaagattctc aaccgttctt cc 152

<210> 7328  
 <211> 468  
 <212> DNA  
 <213> Glycine max

<400> 7328

tactcaagct tgtagattat tgatttaaac attatttagt ttattctttc tttatacat 60  
 aatatacatt tatgtaaagt ttactttcac catttagttt gtcaaattat atcaaattca 120  
 agttagacaa cattattttc aatatttgac tcattgtatt aagttgaata tgacaattct 180  
 attattattt gtatctaaag ataattatta taaaattcaa taaatttaca ttacattccc 240  
 taaaaaaatt ataatacata atattttata atattttata atttgatgac aataataatg 300  
 ataaaatgca ttaggctagt taactcaact gaaacctttt caatgaaatt tatgtcttta 360  
 aaatataata tcatattaaa tatgaataac tttagtctca tgtaagtatg atataatatg 420  
 gacttaactc ataaaattct gacttttaca ttactcaagc tttattaa 468

<210> 7329  
 <211> 454  
 <212> DNA  
 <213> Glycine max

<400> 7329

tactcaagct ctgatggtgt tgagaagaca tcacatgttt gtcacatca attatgggga 60  
 gaatgtgaat gtatgtatac atgattttga tgatgtcaaa agaagaatca aacaagactc 120  
 attttgcttc aagattaata caagattggt tcaacaaaca aagccttgat tcaagatttc 180  
 ttcaagatca agccttgtct cacaatgaaa gggttcaagt cattcaaggc acatgtaatc 240  
 gattaccaat acatgtaatc gattaccaat gggttgaaat tgtgtaatcg attacacatc 300  
 atatgtaatc gattaccaga gactctgaat gttgggaatt caaattttta atgaagggtc 360  
 acaactgttc aagaaaaaca actatgtaat cgattacact aattctgtaa tcaattacca 420  
 gagaggattt taaggaatat cgccacagtc acat 454

<210> 7330  
 <211> 404  
 <212> DNA  
 <213> Glycine max

<400> 7330



ctcaagcttc tcttcctctg gatggttcag tttctcactc tgatgatgat gacactttct 60  
 gtagatcatc tccatacata tcagatgatg gtcaaagccc tcgctctgac tataattctg 120  
 atcagtggga atctgatgag actccggaaa gcagtgacca aggggtgcat gattctcctt 180  
 gcagaaggtc atcaactgaa tctgtgtcca atgatgatac caatgcaaaa agtggacatg 240  
 gtacatgtac tatgaatggg gtggaacatt ctctgtccag gcctttactt gattttccaa 300  
 gttacgataa tgtaaatcct gcacttgaga aagaaagtaa aaaacattcc aaatgcaata 360  
 atgctgttat gtcacatagt catgcagagc ctgcacaacc acca 404

<210> 7331  
 <211> 414  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7331

tactcaagct ccatgattga atcaagagtg agtcatgaat ctagattgat tcatgatgat 60  
 gaatcaagat tgattcaaga tgttttgatg ataacaaaga tgataacaaa aagtccaaga 120  
 gaatgacttc aagattgagt caagaacaat tcaagaatca agaatcaagt ttcaagtttc 180  
 aagtttcaag tttcaagaat caagaatcaa gaatcaagaa tcaagaatca agaatcaaga 240  
 atcaagagta atcaagatca agattcaaga atcaagacaa gactcaatca agataagtac 300  
 taaaatgttt ttcaaaacat tgagtagcac atgaagtttt cacaaaagct gttaccaaag 360  
 agtgtttact ctctggtaat cgattaccag tttactgtna tcgattacca gtag 414

<210> 7332  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7332

ctttcttcac ccttattgca gttctacatc atccgcacca ccttaaccct aaaaaccaac 60  
 ataaaacaca tcaaaacctt gaaatagtac acctttatga aacttctaaa agtgcctatg 120  
 gaagaaaaca aaaatggagg atgagagggg aaaaaaaagg gtttcttacc tctaaaatca 180  
 atccaaattc gaaaaatcct ttgtgctaag gtttcaagtc actaaaaact aagtgtatga 240

ctcttctctt attttctatg cgcaccgcat agcttcttaa gctcacttac tccattctat 300  
 atcactcaag gccattcat cttagcccag acatcctana acagactatt cacacccaaa 360  
 caaagtnttt cgcatttgta aacataacat acatacaagt accacacatt gtcattctat 420  
 aataattaat taattaat 438

<210> 7333  
 <211> 422  
 <212> DNA  
 <213> Glycine max

<400> 7333

tgtaaggatt gattgaataa gtgtattatg tgtattgaaa agttaatcaa agccttgctt 60  
 ttatagactc ttcattgttg gccaaaggga ccatttagaa gagttataac ttttagaaaa 120  
 acttaaaacc aatttgaaaa agtcaaaata ctttttgatg agttacatct tttgatttat 180  
 tcagaaacaa aactggtaa tcgattacca aattagtga atcgattaca caaagctttt' 240  
 gtgtgaaagg atgtgactct tcacatttga atttgaattt caacgttcaa aggactggg 300  
 aatcgattac caaaacattg taatcgatta cagctttttg aaattaattg gaacgttgta 360  
 aattcaattt aaaaaccttt tcaaattccat tttgctactg gtaatcgatt acaacaatat 420  
 gg 422

<210> 7334  
 <211> 448  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7334

agcttctatc accctggctg tgctagactc atgaatgggt gcgaaatctt gttgaatcaa 60  
 tccatgtnat ctgcacaca gtggcaggca ctgcacagag ttgtcccaca ggtgcaatgt 120  
 gttcactaaa ttgcatccat gtatcatccc tttcttcaat agagacagaa gacacaacag 180  
 gatgtgccat aatagttag atgtatccaa actgtcgtac taccctgttc ggtcggcgaa 240  
 tgaccatcaa ggggccccat gtgagatagt cccacaataa tgagatgacc tcaaattctc 300  
 taaatgaacg gtgggtctcta tactgaacct agtacaccac gtcaggggtc agtctgtcca 360

gacgcctgtg atacatggaa actggcagcg ccttgccaga ggtccatcag catgtacgca 420  
atctcctgtc atcataatac tcaatatg 448

<210> 7335  
<211> 287  
<212> DNA  
<213> Glycine max

<400> 7335

gttgacacac tttgtggtag atttacggat ggcctttgtg gataactagt aggtgggtca 60  
cgatgaagtt agtcatcggc tgagttatca cattgatggg tcgcggggaa acttggaacgc 120  
ctttgaatcg gttcaccac atcagtgett cctcttttct caccctcttc atctgccccca 180  
gttgtctaag acctcttatc acgatgatga aacttgtctc ttttcagatc cacttcgatc 240  
ctttcacagg cgaagacccc attcgtacc ttgaatgtgt gtcaccc 287

<210> 7336  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7336

aagcttggtg acacgcggtg atttacgtca tcttccgcgc tacaatatct gtttactgac 60  
tttngagtca cgctgacggg cggaataacc cgagtggat cggataaaat tttgctgtct 120  
gtaagacgaa aagcctgata acacgcagag actaacgtcg tcttctgcgc ccttcgtcaa 180  
tcgcggccga caagcccgtt gacacgcgga gaattacgtc atcttccgtg ctcaacaagat 240  
ctgtcatact gacttttgag tcacgtgac gagcagaaat acccgagtgg ttatccgtat 300  
aaactttttg cattctgtaa gacgaaaagc ctgataacac gcagagacta acgtcgtctt 360  
ctgcgacctt catcaatcgc ggccgacaag cccgttgaca cgtggagaat tacgtcatct 420  
tccgcgtca caagatctgg cctattgact gttgagtc 458

<210> 7337  
<211> 403  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 7337

gacataatac atggcggtgt tagagctggc tcaatgtatt atggatgccc cacattattt 60  
ccatgacaca aatgcaaaaa tgatgatttg gaaattctat gcaaaactgg tcatgcatgc 120  
acctatgcgg aactcaagt gtcaaatctt tatggtcatg tgatgctacg gctcaagatt 180  
catttctctt attttttagtc aaccgaatgt ttccaaaata tgttcttgta tcaatttggt 240  
cattcatccg agtccatttt gggcgctccg gaaaatnttc acagcattca cccttcatgt 300  
gtatacacat ttttcagaaa ctagatatga tcagcgaatt ttttcaaaga aaagttggaa 360  
gtcctctctt ttcaaaagca tgttggattt tcagctagac aac 403

<210> 7338

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7338

aagcttctcc cgcaattgtc tataaatagg gggaggagtg aagtgaatta tggttcatcc 60  
ccttaggcag ttttctctct ttcgaatttg cttggaaaaa ttgtttccgt gaagaaaatc 120  
taagccgagg cgcttccgaa acgtttccgt aacgtttccg taaggaattt cgcgaagggt 180  
tcgaccattc ttcgacgttc ttcacccgtt cttcatcggt cttcgatctt caacgggtaa 240  
gtacctcgaa ccaagctttt cgattcattc tatgtaccgg tggtaggtcca cattgtgttt 300  
cgtgtatttt tattctcatt ttatttactt tntatacccc cttttgacgt gcttaagcca 360  
ttttatttaa gtcatttctc gcttaaccta taaataaaat aaatttccac caatcgtttg 420  
aattgtatta 430

<210> 7339

<211> 451

<212> DNA

<213> Glycine max

<400> 7339

ctcagctttt atccaggctc atcttggtgg tgaagctcct tcttccatgg cttattccct 60  
agtggatggc acctcctctc acctcttctc atttgtcttc cgctgcatct ccattggtgga 120  
aaatcaccat taaaggacct cattgaagct caaagatcca gcctccatag aagccccaca 180

agcaagcttc catcacaaga taccttggac acgcatgtat atggcaaaat agctcacaaa 240  
 atatacgtat gtttaggttag caaaatacct caaaaaaaa gagagagagc aaaaagagag 300  
 cgagcacgac aagaataaga taaaaataat aataaaaagt tgtctagcta aaaaacaaca 360  
 tgcttgtgaa aagagataat ttccaacttt tctttgaaag attatactga tcttaaccag 420  
 tttttcgaaa aataaaaatg tgtgtacata t 451

<210> 7340  
 <211> 437  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7340

tactcaagct ntacatcaga atttagtaat gatccactaa cctagaatta aaataactta 60  
 attccattaa cctaggggaat taaaagaact taatggctga gtgtaattga aattgtggca 120  
 accaaaagtc accccaaca gccatcaagt cagccaccat ttggtctcct aaaaggctta 180  
 tgccataggtt gccaattagg cccttattac aacttgaact aaaccaaact aaagcccttg 240  
 tagttgattg acccaaaaca tatttttgat cagccaactt tacaaggatt gggccattat 300  
 ttagaaaaac taaacactct aaaattgaga caaagtgggtg ccatttagtc ctctccatt 360  
 tggggcatga tacaactcac aaccttggac ttttctcctt gaaacttggg cttgtattca 420  
 aatagtatgg acaacac 437

<210> 7341  
 <211> 376  
 <212> DNA  
 <213> Glycine max

<400> 7341

gatcattgca ccggccggag attctatcac tgactactga gaagaccttc cctgtgcatt 60  
 cctgactctc ggaggctctg ctgcaatddd aatcggtgc agtgctaact atgatgccg 120  
 ctccgatcct tctatactac atgacgcaca ttacttggaa ggccacatgg cactcacgta 180  
 g'cggagaaaa ccacctact cggttgtgca gtagatctca ccacgtatcg atcgcgatct 240  
 gtactatcag gtctgatacc gcatatgtca tgcaactccg aataccgtcc tctcccgcat 300

actcttccgg tgccctagacc agatcctata gctgttacca tgcttacatc gggattgaca 360  
atctcaattg ctctag 376

<210> 7342  
<211> 335  
<212> DNA  
<213> Glycine max

<400> 7342

acaggatgac gcctactctc gcctatgact cggagtatgc tactgcatac gcatggagga 60  
aatcgccat tgatagacct gatagaaact cttagaatca gactccatga agctcacacc 120  
gagcgccata actttccttg aaccgcatag ctcggtccgt ccgctgataa tcaactcacc 180  
accctgtct atttacaacc gtcagccacg caactagaca ccagacgttt gagccatagt 240  
gtgccacact atcatcgcta gactcaccat agtcctgtac atcctctgac tgagcggaat 300  
cttttctca ctattatgag gcaagacacg aaata 335

<210> 7343  
<211> 474  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7343

tacttcaagc tttcanaaag ccccttttcc ataactctca aggtgcatat tccttaatgc 60  
tacatgtctg tatatttcaa tttgttttga tggtttggtg ttcattcaca tttcacaaca 120  
ttgaaaagaa aatgtattgt agttagttat agagcaataa aaattgataa ttaatgcctt 180  
gttaatttct tttccaacac cttatgattt taatcatggt aatatacaac atttggaacta 240  
ttatttgcaa cttaaaaacc cttgaaatat aaatcttgat tgaatgataa gacaaccaat 300  
ttttctatgt tggatcgagt ggcctcagaa taattaaggg ggggttgaat taattattcc 360  
taaaccttta caaattaaaa attactctnt taaggctntt actaaattgt taagagaatg 420  
aggagtagaa gagaaaactt aacagaaagt aaaagcgaaa attaaatgca cagc 474

<210> 7344  
<211> 371  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7344

ntgcacttgc caatngccat gatgtaatct ccttcttgac agtctctcat caagttggag 60  
tggtatcaca gcattgaact aaggtgaacg ttccaatggg atgatgggtt tgatcgctgc 120  
acataaagtg cgtgattgtg agtttctggt cccatgagtt aaactataaa gactaagaaa 180  
aatattgtct gtattttaac ggcccaaagg ataactaaac ctttcattat ttacattatg 240  
ctttttaaca actggttata tatatgtagc agtttattct aaacaatgga ctacgtgtga 300  
gatctttgaa ttctatgtaa caaatgttgt ttcacacttc tcatcagact tcatgtcgaa 360  
gatggcatgc t 371

<210> 7345  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7345

ntgccttttag cgcttgtacc tcatcacttt ctccgaagc tttaacctca ttgtctctca 60  
cagtcttttag aattgggagc caatccaatc cttgtgtccg gactctcagc cacttatgat 120  
agccgccgat gatccatta ctgcttcccc taagctctct gtcctttctt catgccgat 180  
cccatgcctt gcgaactcct tggagtacc cttgcgttgtg gtcactgaaa ccccgtagca 240  
tgaaaggcgt gatgctttcg tctgatggca ctctctcat ggggtagcca tgctgtctta 300  
tggcgaggac gggattataa ttaatacaac cccttggtcc catcaaggga acatttggac 360  
atccttcgca tgaagataga atcctgatcc ttccttcctt ctagcgaggg aaccaattaa 420  
cagacgcccc tccatgctag ccaagagttg gtcccaat 458

<210> 7346  
<211> 443  
<212> DNA  
<213> Glycine max

<400> 7346

ttatcgctaa ccacagatta ccatgctgaa taatatggac aaattcgaca tcttgtctc 60  
tctcatgctc tcacaatcac atcttggctt attcaacttc caccggaatg tgagtgtgaag 120

ccattggttt gtttgcttaa ggcacctgcg ctctgagtt tttttttttt acttccaaga 180  
 tcgttcaaat tagagatttc tcgtcctaca cgttggtgag ggtgcttgaa acaaccagtt 240  
 aagcataaaa gttcaaaaag aaaaagaaaa aagcattcga ttgactgtgt tctcaagtta 300  
 aaatatagac attcgtatga cctcatttta tcattcctga taagcttgtc tttctgacac 360  
 acaactaaat tatcaacaat atcactcatt tgacttaatc tatcaaacta aaagaatcct 420  
 tcatatgttt ctcgataatc aac 443

<210> 7347  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<400> 7347

agcttttctt cacaattaat gtgtctactg actaacaatt ctaaatgcaa gttcacattc 60  
 ttgtgccttc tttgtctaac atacacactt gtcxaaactc atgaaaagag acacaaattc 120  
 catcaaaatc atgcactcaa ttcaaaataa agacatacac ccatttttca caaaaagata 180  
 aaagtacttc actgccatat cattaaaact aagttaaact gttcaaaatg cttcataata 240  
 agcaaacaaa ctaccataa acaaaactaa caaaaaggaa ttaatgtact aaaaccatga 300  
 ccataataat aataataatc taaaaggcaa caacaaaaga aacacaaaat catcaggaat 360  
 atcaacattc ttgtcagtgt gagccacaat ttcttcagca gtccatccag tcagaaaagt 420  
 cataaccatc atctatgttg caagat 446

<210> 7348  
 <211> 411  
 <212> DNA  
 <213> Glycine max

<400> 7348

catcaagtgg tatctgagca caagagcttc tagtatgtgc tccttaaacc tccattaacc 60  
 tcaattgttg tttcttcatt tttatccatg tatttctca catgtcttgt gtttaattgt 120  
 gttaacatga ttctttagaa ctccattga ttaaacttgc tatagaagct agatttgatt 180  
 ctctatgggt caaatttctt gttcttggtc ttgaaccatg aattgtgttg agtttaggtt 240  
 cctttgagtt ttgtattcct atttttttgt gtgggtgaaa cctaaaccat aaaattctta 300



caaaaacatt aaagtagagg aaaatctaaa aaatttagag tgacttggtc acctattgta 360  
gttttgtcat agaagtcatt tctatgttgg gtcgagtggc ctcagaataa t 411

<210> 7349  
<211> 483  
<212> DNA  
<213> Glycine max

<400> 7349

aagcttggtc actcaatatt tcttcaaata tagtaagtca tatacacgtt catgatattt 60  
caagaacctc atgtttttta gttgtacatc caccacaata agcatcaatt tattttcttc 120  
cctatttttt tattttctga ttagagaaaa aataagaaac tataggagaa tataataata 180  
ataataataa taataaaaca aagcacacaa aaagaaactt gatcgttgaa atatgatata 240  
atgattcaac aattaattac gtgtatatta atatttaatg aattattata tatagtaatc 300  
aattattata tgtaataaaa tgtaatgaaa gtcataattt cttgatgctg aatcattgta 360  
tgtaagatg atttgattgg ataacaatta aagtaattaa aaaaattcaa ttggaataat 420  
atgtctacta ttactattag catcaacatt gaataaatta aataaatatt aattgattac 480  
atg 483

<210> 7350  
<211> 471  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7350

aagcttcgct caatntgcaa agtgctggat aatatccagt ttaattaatg tacactctta 60  
gaggattaaa atgaatggct gagatcaact catcaaaact caccgtatca tttatctcat 120  
tcttttttcc tttgaacatt cacttctggt gactctagta tagctctctg ccttctatct 180  
aagcaaataa aatctttcga ttctctcat aacatctatc tattttttgt tggtatccct 240  
cgtccaaaaa aatgtcggac gcgtttcana acaaaatata acagaaaaac atgaacaaaa 300  
tgataatcta acagaaagtt aaaaaaatag aaatggtagg tttttaatga ttttcttaaa 360  
aaactaatac taaacatcaa aatttaatat tctcatttaa gatttttgaa aaagttaaga 420

catttcctta tcaattatatt ctttaaataa aaagtgtatt cacaattatt a 471

<210> 7351  
 <211> 461  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7351

taagcttacc accaagatga gcctcggata gaagcttgga tatgatgctt caatggagga 60  
 gaataaagag ggagagaaag agagaggggg gagcacgaaa ttgaaggaag aaaaaggag 120  
 agaagctgaa ctttgagttg tgtctcacia gactctcatt catcaaagt acaacaagt 180  
 ttacacatgc ttctatttat agactatgta gcttccatga gaagctgtct taagaaaact 240  
 tccttgagaa gcttctttga gaaaacttcc ttgagaagct agagcttagc tacacacacc 300  
 catctaaaaa ctaagctcac ctcttgaga agcttccttg agaagctaaa gcttagctac 360  
 acacacccat ctaaaaacta agctcgctc tttgacaaaa tacacgaaaa tacgaataa 420  
 agtccttact acagagacta ctccagaatgc cgctgaatac a 461

<210> 7352  
 <211> 444  
 <212> DNA  
 <213> Glycine max

<400> 7352

ctcaagcgtg gagaggatgc ttcgatggat gaaacgaacg agggagagat ttatagaggg 60  
 gggagcacga aattgaaaga cgaaaaaagg gagagaagtg gaactttgag ttgtgtctca 120  
 caagactttc attcatcaaa gttacaacia gtgttacaca tgtttctatt tatagactag 180  
 gtagcttcct tgagaagctc tcttaagaaa acttccttga gaagcttctt tgagaaaact 240  
 ttcttgagaa gctagagctt agctacacac acccctctca taactaagct cacctccttg 300  
 agaagatttc taaagaagct agagcttagc tacacatacc tctctaatac ctaagctcac 360  
 ctgcttgaga tgagaagcta gagcttagct acacaccctc tataatagct aagctcacc 420  
 ctatgccgaa aaacatgaaa atac 444

<210> 7353  
 <211> 451

<212> DNA  
<213> Glycine max

<400> 7353

ctcaagcttg aagagatctt caatggctac gaacaacaac gcatttcatt ttgcttcttc 60  
tttccccaat tacatatcac ataaagtcga agatacaagc tttcttttat ggcgtcaact 120  
agttaagcct attatcaaatt caaacaact tcaatgattc attgctaata cgcaaattcc 180  
actttgattt ctcttttaaag aagatcatga aattggacgt gaaaatctag tttatgaggc 240  
atgggagtag cataattagg tgttattaat ttggcttcaa tgcattcttt ctacactgat 300  
tttttctcat gtgatcggtt ataatcactc ctatgaagtc taggagcaca tccatgatta 360  
cttccacaag cagagcatcg ccacaacgag tcagttgcac attcaacttc gagcaatgaa 420  
acctggaagc aagttgatgc aatagtttct a 451

<210> 7354  
<211> 457  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7354

actaagcttc taaggaagtt ttctcaagaa agcttctcaa ggaagttacc tagtctataa 60  
atagaagcat gtgtaacact tgttgtaact ntgatgaatg agagtcttgt gagacacaac 120  
tcaaagttca acttctctcc ctttttcttc cttcaatttc gtgctcccc ctctctcttt 180  
ctctccgtct ttcttttctt ccattgaaac atcctctcca agcttcttat ccaaggctca 240  
tcttggtggt gaagctcctt ctcccatggc ttattcctta gtggatgacg cctcctctca 300  
cctcttctcc tttgtcttcc gttgcatttc catgggtgaa aatcaccatt aaaggacctc 360  
attgaagctc anagatccag cctccataga agccccacaa gcaagctgtc atcacatggc 420  
tccaatcaca tccaaataaa agccttaaca cttggga 457

<210> 7355  
<211> 457  
<212> DNA  
<213> Glycine max

<400> 7355



tgatcataac tcttacgtat cagtatctag attgttttct gtttaatatata actacccaaa 240  
 agatatggat cttaaatttg atcatgttga aagctcacta atgggtgatg tgaatattaa 300  
 at 302

<210> 7358  
 <211> 454  
 <212> DNA  
 <213> Glycine max  
 <400> 7358

cctgactggtt acaacttaca agttgctttc catttcttat agttgttccc cctcttatta 60  
 tgttggttgt tttgtgaatg tttcttggtt tgggttcctta gaattaattc tctctctctc 120  
 tctctcaatc ttggatcact tatctacttt gaactatattt tcttgatgc actgggacag 180  
 cataacttat gcttgatctc catgcttcag tctgagttca gtacaagttc catatctttt 240  
 tcattttata atttgctttt gggatgtgca ctacacggct ctcagtctca gagctaaatg 300  
 tagcacaggc aaattttgat aaatatgagc gtgtgtactg gttgggatgt ttctcactta 360  
 tttattttgt cttcctcccc cagatatcct gctatctcta cttgttaact taacgctctc 420  
 tcttgtagtg acaaactgca aacgtaatat ttga 454

<210> 7359  
 <211> 475  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7359

gaagttagat atatgtgatt atctattcgt tatatatata tatatatata tatatatata 60  
 tatatatattt gcagtttggt aattaagact taaaggccca tgtcagtgtt atatatttat 120  
 tgttttgaat tggttagtgc atgtatatta catagatttt atactattat taattaattg 180  
 atgttgaaga tgttataatg ttgttatgat atgatttttg aaaattagtt gattcagtgt 240  
 atgtgtatat aggttgtgtc ttgtaaatat tgctatgaat gtataaatatg atatatgagt 300  
 ataagtgaag tatgcgtgct tatgaatata tgtgaagaca atgtgtcatg gtatgtgtgt 360  
 gtgctgcgaa aaaatgtgag aagaatctac tcccccgga taggaatctn caagagatnt 420

tgaaattaaa ccatgtgcat attgtgtgtg aaccatgaat catgttgtgc atatg 475

<210> 7360  
<211> 325  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7360

agcttctata tagctgaacc actttatcaa taaacacaag ttgagtttta ttcagaanat 60  
tagagtttat ctcttttatc ttagtgagag tgattctcct aaattcttga gtgattcaag 120  
aacaccctgg ctgtatcaaa ggactttcac aacctttgtg tgttgccctc gctggaaaga 180  
gtgattcttt tcattctttc atcttcaccc ttgttctttc aaaccacaat tccagaanat 240  
ccacctctgc ccagaattat ctctgtggcca taactcccat tntacgcact caaattaagt 300  
gattcttgac cctaaattga cttta 325

<210> 7361  
<211> 474  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7361

aagcttctgt ttaacgaaat gggtagagga ctgattatat caaagtgaat atactgttgt 60  
tttgtaattt gaagccacac aatacttcaa aagggtaaat gaataaagat ttatcacccc 120  
ttttgaatca ctttcatcgt ccctttttga ccttacatat ttgctttgac ttttacgtac 180  
gctgcagcct gttaacagtt gctactttta agcatgcatg gctatggcca actaaatcaa 240  
ttcatttcag atatcattgg aatgaatggc acgattatgt caccatttac tgtatttaca 300  
aggatatggc aaatgcaaaa caatggcact gtgtggccaa aggggaactc gttggatggg 360  
aaaaaacagg tttagtact cttagttgaa aggttcaaca tttatgactn tctatgtaga 420  
ttctgtttgc atgttacaga ataatggat gctacgctct tgaaattgag tact 474

<210> 7362  
<211> 436  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
 <400> 7362

tatagagtag tagtagaatg acctttgttt atatatatat tttggtcaaa ttattaatta 60  
 ataaaaattc ttcaatatat ccttctcacg ttgaagatag gacattttta acagaaaatt 120  
 tactaacatc ctgtagactc ctttttctta taccatccta tagactctta tacaacttta 180  
 aaacttagat tttagccaaa ctcaacttac aaagtaccct attatcccta atatgtacat 240  
 cctttaagta taaatttgct cttttaaaga gagaagcatc tcgaaaatta gtcttctctc 300  
 attattgata ntcttatttt aacttttaca tttaatcttg tacgatcagc aacttaagga 360  
 atagtcataa caagcgagaa gtacacgtgt ntcttttctt ttgttccgat tctcactttc 420  
 ataaatttat tgtatc 436

<210> 7363  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<400> 7363  
 aatgaaaagt caatggacgc agaagctttg ggtgaaaggg ttcctcaa atcaaaagca 60  
 gactctagtc cttttgattg tgattctgac aaatcccttt atgaggaaga agaagcccc 120  
 aagtctggtc aacacgtgga gtttaccttc cacgggtcac acaccctcc ttatggatat 180  
 tcagaagccc acaatcatat tgggccttcc actattaaca cccacaagc ccatgtgaac 240  
 gaaactcatc agcagcatca ggagatatcc taggggtctac aagtgtatac aacaaagaag 300  
 tggttcacia gaaagaagcc cacaagactc tctcacagag ttgaactctg ctctattaca 360  
 aaaagaaaaa gaagctatta ctgagagaca gcgtgaactt c 401

<210> 7364  
 <211> 76  
 <212> DNA  
 <213> Glycine max

<400> 7364  
 cgagaagttc cgacgtgcca ttgcccgcgt gcctatgatt gctgaccaat attccgacct 60  
 ctacgcggaa agagat 76

<210> 7365  
 <211> 402  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7365  
  
 atctaaagac tgaagcataa acataaatct aaagactgaa gcataaacat aaaatctaaa 60  
 ttataaaatg tactaagaca ttgatattat taaactgggc aaaacacaag gaattaaaaa 120  
 ttcttattct tgccattaat cttttccaaa gtttttggct tcttatttca aatcacatcc 180  
 aggagtgcct gatgatgaat cctgaggaag gggtaggtct ggcactgggtg cagatgactc 240  
 aggctgagaa gaagacatgt ccagcactgt agtggaaggc tctgggtgtca cttgtgggggt 300  
 agctgctact agataagtct aaaaaatgaa aggctcgggt ggagtgggct ctgaggcctc 360  
 tagaatgtca tctcctant ttggcagagg ctcttgggat gt 402

<210> 7366  
 <211> 462  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7366  
  
 tactcaagcc ttgaccaaac ccncagcagc agttgtttcc ttagagactt gcctcgacac 60  
 cttgtctctg agactgagga taattgcatt gtgtgccttc tgcagtagtg ttttcttacc 120  
 cccatcagcc atcatctttt caagtttggc ttctccatct agtgcttcca ccaggccctg 180  
 ttggacaaga agagctctca ttttcaattg ccatagcccg aaatcatttt gccctgtgaa 240  
 tatttcaacc tcgtacttgg gcgagcccat ttcttgaatc gaactcaaaa aatcgctcca 300  
 cgctcaccac accaatttgt tgtaccaaga tcaaatttta cttcacaaaa gaatgagttt 360  
 cttgtatgaa caagaataag caaaatgcag aaaagaaaaa aaaatgaacg aacactgcac 420  
 tgtgctcaca acagccactc tattcaatct ctacataatt tc 462

<210> 7367  
 <211> 382  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7367



cttgacttga gtcatacaaga gattatttat atgtgcccac ggcatagagtt tcataaatca 60  
 tccttcaaca tctttatcac tatcaatcat ctttgaatca tctatctttc aatctttttt 120  
 aacatcatct ctcaaacatc tttcaatgaa tctttcaata tctttctata gaattttttg 180  
 attcatttct cttcatcttt ctaaaagttt tttatcaaca ctttctcttc caagaaaagt 240  
 tctttgttaa aaaacttggtg ttattcatct ttttcattct cttctccctt tgccaaaaga 300  
 acgaaggact aaccgcctga attcttttgt gtctctcttc tcccttaciaa aagattccac 360  
 ggactaaccg cctgagaatt ct 382

<210> 7368  
 <211> 326  
 <212> DNA  
 <213> Glycine max

<400> 7368  
 gtttcgcaat attggcggat gattagtata atagagggtta tgatgatatt tgttcaaata 60  
 ttaaccctgt tgaaacttat tgtttcattc aagcatatgc aaattgctag ttctaaatga 120  
 acttgttccc ttctctattg tctctgaatc aacgcctatt ttggacttat atcaccttgc 180  
 atatggtgga tgacgacatg atgctgagtc atcttgaaaa tgggaattat ccctttttat 240  
 gtgagctttt ctggttgatc acttattttt gtcttaatct ctatttgtaa cctcaaaaata 300  
 gattggtata aagcatatgc gtattt 326

<210> 7369  
 <211> 408  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7369

acactatacc actactcagc ttagtgacat ccgtgacttg atcttgagcg aagttgttcg 60  
 caatatagat tcangagaat cttccagtca tgtttccaat tcagcattga atactgaagg 120  
 cacgggaagg actaccata atggtcagaa tggtcgacgc agatcaaagt caagagggaa 180  
 aggtcagaga aaatttcaaa gtgacgttac ttgttggaat tgtgacaaga gaggtcactg 240  
 tagcaatcac tgcaaggcac caagaagaa catgtcgcac aataacaaga agcgcgatga 300

tgatgaatcc gcaaatgcag caactgatga acttgatgat gcattaatct gcagnttgga 360  
tagtcctggt gattcatgga tcatggactc aggtgccgtc gtccacac 408

<210> 7370  
<211> 115  
<212> DNA  
<213> Glycine max

<400> 7370

gctagcagag ggatgtcata tatgtggatg aacacatgag tcagacttat gcatggttca 60  
agatgacaca cccaatgaag ataactacat gggctgtcat aatcatcaag gatct 115

<210> 7371  
<211> 334  
<212> DNA  
<213> Glycine max

<400> 7371

cactattgat gctgcaattg agtgaagaga tctggctatt gcaagaacga gtttcggtat 60  
tacagagagc tatcacgata cacaacgagc ccacgctggt gtttggttact tatatttaaat 120  
atgttaaatt acttatttat tcttataatt tcgttctttg tatttttttaa tttcaatagt 180  
taataatgta attttcttaa atacttatag tttaaaaata tttttctaata tctgaccatc 240  
tgcattctaa ttcttttcta cctcatatcg cttaaaatta atcttttttaa ttcataataat 300  
ttcgatttta atcatcttta atccctgtcc aaaa 334

<210> 7372  
<211> 134  
<212> DNA  
<213> Glycine max

<400> 7372

gcttagctga attcagatcg aattgaagtt acgctttgct catctcttgg ccagcttagt 60  
agaccatatc attctcagat gcaagggttg cgcgctaacc gcttgagact cgtggcttag 120  
cgcatgaaca gata 134

<210> 7373  
<211> 443  
<212> DNA

<213> Glycine max  
 <223> unsure at all n locations  
 <400> 7373

aagcttgtaa tcttnttgca cttgtttggg ctctgattnt tgtattttga tcaagtgttt 60  
 tctttttctt acattaatac attagtcttt tgctatcagg agacctcctg acattgttct 120  
 ttcttggaac aattattatt gcttctctaa atcaatcaca ttcattagat tatagtcggt 180  
 atccttattt tctttgaaga aaagacagcg tgcgccttta ggctttcaat gtgaacatat 240  
 tcaaaatgaa ttgaatgaat ctttgtgtga ttgatcaaag acatttccat atctaattaa 300  
 tcctttntgt tttggatatgt ataattgaaa atctaaccac gaaattaaga aaatggacaa 360  
 ataacatcac ctaactgatg acaatcgtgc atgccatttc ctactttatt tcatatcact 420  
 aagccccact ccatatagac aaa 443

<210> 7374  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<400> 7374

gcttgactat caaaattatc ttacgagcaa gaaaactctc ttctcaaact tgggaatatt 60  
 taaaataata atgagcacaa gaggtttact atgagaagct gcttctcaa agtagtttgt 120  
 aaatacacag gttctgatgt actacaaaaa ttgctactat tcaagcccat atgaaactca 180  
 aaaatagacc aaattgaata gataaaaatc caaagagcat agaacgaagc atgggtcaatt 240  
 ggtcatgact catcatgact atgtgatagt ttatgaatcc attctgttga gtaatgtaat 300  
 gacctctcca atatcttggg caacatatac acgaactttg aatttattga gcagggtgtcc 360  
 gagtcattat gaatctctcg ataactggct tttgatgtct atataccaaa caaaaatata 420  
 tagaactttt g 431

<210> 7375  
 <211> 429  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7375



gtaactttac gaatttcgaa atgatactta ttttccttcc gcgaggatac gaatccttac 240  
 ggattatgta tttactcttt gttggctatc aacaaactat ccgaagctca cggattgctc 300  
 agaaacactt cttttctatt atgacacctt cctg 334

<210> 7378  
 <211> 196  
 <212> DNA  
 <213> Glycine max

<400> 7378

gcttaaagag ggtgcttcaa tgtttgacaa gaaagagaga acggtttatt acgaacatgt 60  
 acgaactaaa gagggagaga agtggaactc tgaagtgcgt ctcataagac tgtcattcat 120  
 catagttaca acaagtggta cacatgcttc tatttataga ctaggtagct tcgttgagaa 180  
 actttgttga gaaaac 196

<210> 7379  
 <211> 386  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7379

gcatgcaagc ttgcagacta tacctccaac cgaacactgt tgtgtttcta tctcggccca 60  
 agtttattac gggctgtagc accggtttcg cttccctagc cgtattggag gcggtcaccg 120  
 tggcattatc ctctatagtt ttctggagtt ntagcatggc ctccatgata gaagccattt 180  
 gatcttttaa ggctgatagg tcggccttca tctgttcttg cacgccctct tcattatcca 240  
 tttttctgga tcgagtgtta taggggtgcc tttgcgcttt cttagttatg gtgagttccc 300  
 taaagaaaca aacaacgggtg agtatgccat caaaacatga atatgcaa ataatgatcg 360  
 agcacttgga tccacctcag ggTTTT 386

<210> 7380  
 <211> 432  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7380

ntctaattggg cctaagtggg cccaagggtt gaggaatgcc cctaaattga ccattntgcc 60  
 cccatgttgt gtattttgcc cctacagatt gtgcgacaat tggctttaag cagctcaact 120  
 cagctagcaa aaatccacat gttgacaaac attcgttccc ggacgaaatt agggcatgac 180  
 acccactaac ccacatacca catcttcagt acgtgcccac tccttgggtg acatgtatgc 240  
 aagagtaaca agcgtgcat gcacttgcc atgataaaag gcaaacgaaa cgcttgtctn 300  
 caatgtgttc ttcaacggtc aaaaaagggc ataantgtca aatgcangga ctccaccac 360  
 ttgacacgtc tgactctacc tgcanagcga anaccgtatc cacctggaca acttaataga 420  
 agtagcacgg at 432

<210> 7381  
 <211> 269  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7381

ctgcangcat gcaagcttgc ttctacaatc aagaatgata tgaatgttct aattctgata 60  
 ataacaatca ctgagtggat aatgttattg attagaggaa gctaattgaa gccaccagga 120  
 aagaccatta cccgcttccc ttcatggatc aaatgcttga gagacttgca gggcaatctt 180  
 tctattattt tttagatgga tattcgggct ataatcaa atgcagtggat ccttaggacc 240  
 aagataagat agctntcaca tgccccctc 269

<210> 7382  
 <211> 279  
 <212> DNA  
 <213> Glycine max  
 <400> 7382

cttctatgac tatgctctat tctctctaac tttggatagc tgattaataa tctgattctg 60  
 actgtcaaca tttcaacatt tcaatagttg aatgatcaat tatgtttatc acgtgaaaga 120  
 cgtatcgtct atgcataaag atataacgat gaccctaaca tcattgaaat tccaacaaca 180  
 ctagacccta ctttgagaaa gatatggcaa gccacatttg ctttgatcca tagatatcca 240  
 agacaggtat accaatgcgt ctaacacatc ttatgtacc 279

<210> 7383  
 <211> 462  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7383

tgacgcatgc aagcttatta aggtgtagag atatgagata cgttnttgnt tctcaaagca 60  
 caacactaat tgtgtttata agaatactat taaatcttat tgctatcatc gatagccagc 120  
 agacatatgt atatttttgg aaccatactc attgcttctc taagtccagc acattttctta 180  
 catcatcgtc ggtatcctga tttcctttgc ataaaagaca gccggcgctc tcaggctctc 240  
 aatgtgaaca tactcacatc gacttgaatg aaacgccgtg tgaccgatca acgacanctc 300  
 cacatccact taatcctctt cgcgaccgca tgtctcatca gccactatca ccaactccaac 360  
 tctactggcc acttcaacct ctctcacgca ccgtcctctc ctcgctaata caactctatc 420  
 cactcctctc cctcctgac acaacctgag atgagtctct cc 462

<210> 7384  
 <211> 360  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7384

gcatgcaagc ttgtagaatg gctagacatg atacacgtca tggtttggtt tggttcaagg 60  
 ataaaagggg tgcacacat tatttccatg acacaaatgc aaaaatgatg atttggaaat 120  
 tttatgcaaa actggtcatg catgcaccta tgtggacact caaatgtcaa atttttatgg 180  
 tcatgtgatg ctaaggctca agattcattt cctctatttt aatcaacca atgtttccaa 240  
 aatatgttct tttatcaatt tgtacattca tccgagtcca tttcgggcgt ccggggaaaa 300  
 cttcacagca ttcacccttc aggtgtatac acatcttttc aaaaactagt tatgatcagt 360

<210> 7385  
 <211> 435  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7385

taagctggga gaaaagcttg aagatgtttc atcttttaca ttcccaactc ttttgagtgg 60





<210> 7388  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<400> 7388

ctcagctttc cttatcatgt acacggatca tttttaaggc ccagcgcctt aaaatgatca 60  
 cctttcaagt aaaaagaatc gcttgattca cgcttaagac agaactacgt atgttctgat 120  
 tcttcacga tggaggggtac gtacgagcaa aagccccgct tttgtcgacc tcaaaaaata 180  
 aaaagagata aaagttaagg tagtacaatt tccacaattc taaaaaatag gttggcgctc 240  
 tttgagacaa acgtgagagg tgctaatacc tttctcaaac gtaaatacaa ctcccgaact 300  
 tagaattctc attctgatcg gctc 324

<210> 7389  
 <211> 296  
 <212> DNA  
 <213> Glycine max

<400> 7389

gaggtccagg aaggacaagg cagcagaagg aactatttcc gctccggagt atgattgtca 60  
 ccgctttagg agcgcggtac accagcagcg cttcgaagcc atcaaggggt ggtcgtttct 120  
 ccgggagcga cgcgtccagc tcagggacga cgagtatact gatttccagg aggaaatatg 180  
 gcgcgggcgg tgggcaccac tggttactcc catggccaag tttgatccac aaatagtcct 240  
 tgagttttat gccaatgctc ggccaacaga ggacggcgctg cgtgacatga gacct 296

<210> 7390  
 <211> 450  
 <212> DNA  
 <213> Glycine max

<400> 7390

aagctcgctt cttaccattc caagaaacta ggtctttccg tatctatttt gtagtaccac 60  
 gagagttctt attatcagac ttgaatcctg ccagtcctt atctgagtta cgcagaagag 120  
 atatcgtaac acccctcaag tgccagacct catcatccaa agtgatctga tgaccatata 180  
 aataccgcaa accgcgaccc tgtaagaata gattgggaga tgcacacatg caaacggctc 240  
 acttaatgat aggtctacta gcagtcaagg gaagtatgga ataaatgata ctttgatacc 300

ttgttgatc aatagat ttt cctattatat tagcactaag tgtgcaataa gcatcaaaat 360  
 agttgctgcc tgcttgatgt gtcctttctca gacctttcat aagatgattg tgtggacatg 420  
 cgccgtcaca ctgtaaaggg aattactctc 450

<210> 7391  
 <211> 314  
 <212> DNA  
 <213> Glycine max

<400> 7391

tacctcatgt actcctctaa tgactatagc tatatttctg gcgctaaact gctgcgagat 60  
 ggtagccatc ttctcaacta aatttctggc ttcagcatga gtcatgtctc caagggctcc 120  
 atcactggca gtatgtatca tacttgtttc catattactg agtccttcat acaaattattg 180  
 accaagaaac tactccgaaa tctgatggcg gcggcaactg gcacatatgt ttttaaactcg 240  
 ctcccagtag tcatacaggc tctgtccact gagttgtcta atacctgaga catctttcct 300  
 gatggctgtg gccc 314

<210> 7392  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<400> 7392

tgaatgggtc gttcagtctg accatctggt tgaggatgat aagctgaact aagcttcaac 60  
 tttgtcccca aggcttcatg tagactcgtc caaaatcgcg aagtgaacct cggatccctg 120  
 tcagatacaa tactagaagg aattccatgc aaccttacta cttccttgat gtacaactcc 180  
 atgagtttct ccattctata cttcatattc actgggataa aatgagcaga tttggcgagt 240  
 cgatctacta tgaccacac tgcacatcatg ccacgactag tctt 284

<210> 7393  
 <211> 376  
 <212> DNA  
 <213> Glycine max

<400> 7393

tactaagctt caggttgctc attgactcca aattgttgca aagaaggaca attatctgta 60

tggatgatctg cagaagaaca tagaccacag actcttgcaa caggtgtaga tttctgattc 120  
 atggcaagct gggttactag gttgaccaag gcatcaagtt ttccttcaag ctttttattt 180  
 ttagtagatg aagatgaatc cgtggccacc tcatggactc ctctaagaac aatagcatca 240  
 tttcttgaac tgaattgttg ggagttagaa gccatcttct caatcaaatt cctagcttca 300  
 gtacgggtca tatcaccaag agctccacca ctggtagcat caatcatact cctctccatg 360  
 ttgctaagtc cctcat 376

<210> 7394  
 <211> 203  
 <212> DNA  
 <213> Glycine max

<400> 7394  
 aatgtgcttt gttctaaaat ctacttatca tctaacacat cttttcttgg acaaatagct 60  
 ttatactcat gaaatgaaac atgaatccac tcttcagttg tcattgttct cttattatac 120  
 actctataag ctctactatg caaagaataa ccaccgaaaa ttcctccatc tgacttagca 180  
 tgaaactacc ctaagtatcc ttt 203

<210> 7395  
 <211> 422  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7395

gactatggng taccatcac atgtggtact aggtggctgt cgggcgatgg tgcacaactt 60  
 tcttntccac atccacaatg cgcgcataat ctcaccatcc cctgttgccc acctacaact 120  
 gagctcacgt actccacgt agcccatata ctggtttctc tcatcacggg gtgcccatac 180  
 gtgctcccga gtttccacaa catccaagaa aaacaccatt cacacagcac aagctatcac 240  
 acccaagcaa aacagagcac acgcagaaaa ctctgcccac acaccaacca aaaatcacag 300  
 cttttccac tcaaagaccc cagtaacaat tcttccatc caattcgtaa ccgttggatc 360  
 acccccaaat cttactggaa gtctatagtg cataagccta cattttgacc gttgggatct 420  
 ac 422

<210> 7396  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7396

acacgacgta cataagacgg acgcgtgaca atgtatgcta ccttcctttg acagaagaca 60  
 cggtggtgcg actgagatgc acgctagcac tcgatggggg gttgatagca taattctcag 120  
 acaaacttgg agatagcttg agcgaggtag ccattatcac gcanaagggg catatattga 180  
 agcttaatgt taacgttggg gggcgtgcac aaatgtcttt gataatcacg atttctacta 240  
 cagtgattac aaataca 257

<210> 7397  
 <211> 395  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7397

gcatgcaagc ttgacaactt tagcccagtt aatctcaaca ttatttgctc tataacccan 60  
 atcatatgcc atattcatat caaatagaat gacccanagc tcaaccttta gaatattaca 120  
 atgcataagt ctccttgaaa acaatttcag aaaatcacct ttactattct agagtgaac 180  
 acaacaagca gcaagggctg ctaaggcaag gtaagagtca tcacaattaa tttttgtagt 240  
 actctgcaga ggcttcttcc acctttcaaa tgcattcatgg ttgccatata atcttttggg 300  
 gctaatatca tatgagttag tttgtttcta catatatcat atacaccact ccaaactc 360  
 aacactagac ccagagtgta tgtcacttat tacta 395

<210> 7398  
 <211> 287  
 <212> DNA  
 <213> Glycine max

<400> 7398

tcaagagaca gtgcctgagc tgcttaaaaa ctccttgctt gttatgaaga tgaggggtat 60  
 actggcccag aggagtgcct tgggtggtga tagtctgtgg gaacttacat ggctacacgt 120

gaataacatt tcaccatcat tgcaacttga ggtattccct gagcaggatt ctgagcattt 180  
gcagcacaaa cagggtgaat caataagttt gctgcctgat gaaaagggtt tcgtgccttc 240  
aagtgaaaca acaatctgcg aacatgctgg cattcgttgg taactat 287

<210> 7401  
 <211> 380  
 <212> DNA  
 <213> Glycine max

<400> 7401

caggcatgca agcttcattc ctttctcact catgtgtcca agtttttgat gccacatggt 60  
 cgaattattg atagcttcag taactgctac cttatcctca tctgcaagca tgtaaagaag 120  
 accttgcatt tttccacgag ccacaacgag attgcctttt gttaccttcc aagctccatc 180  
 accaaaagtg gtgtgatgtc cctcattatc caactgctct atagatatta aatttatctt 240  
 taaggcggga atatgtctga cattgtgcaa tgtccatagg gattcactgg aggtcttgat 300  
 gttgatatca cctcttccga caatgtcaag agactttcca tctgcaaggt aaactttccc 360  
 aaatcttcca gaaatatagc 380

<210> 7402  
 <211> 454  
 <212> DNA  
 <213> Glycine max

<400> 7402

ttctgctgtg atcagcattt tctcgggtgtg tgtgattttt gatgaccac aggatgatga 60  
 cacacgtgat gaactacagg ctcatgtgaa tctgagaaca tttcgcgaga atcccgactc 120  
 acgatcacga ttcaggactt aggaatcacg actcaagatc tcatgactcc agatcaagat 180  
 tcccgactta agatctcacg actcaagatc aagattcccg actctagatt tctagaatga 240  
 atatacgact ctatcctgat cagctagctt tttgoggact ttgaatagcg catgacgttt 300  
 tgaccacgc tttaccaaag agctcctact gcttgctaata cgataccaca ttgctgtcat 360  
 tgattacctc agctcacaga ggttgcacca gttctcacac tgaatctacc acgcttccga 420  
 tatattacac aggtcggatc gtttccatgt ttcg 454

<210> 7403  
 <211> 172  
 <212> DNA  
 <213> Glycine max

<400> 7403

tggtatgggt gcgtgtctaa gagatgaatg cttgggaggt gtatattcgg ctcgttatgc 60  
tagcacctcc atgaacgagt ggatgctaca tccagagtga gaggtagtct ggggtacatg 120  
gagcctgtgc tgagacgaat cgggcgacca ttaactgcct gtgatgagta ta 172

<210> 7404  
<211> 184  
<212> DNA  
<213> Glycine max

<400> 7404

tatcttaaac ttttttgacc atgtatttac aggttattac gctctgagtt cagcaagtca 60  
tcgtaaaact gatgatgatg atgataactt acacggagtt cttgaggcga tgatttcgcg 120  
atcctagcta atttgattgt ggtcacaaaa ggattcatca caagaggtaa gacaaactcc 180  
tatt 184

<210> 7405  
<211> 499  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7405

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gcttgtgaat gagggtgaaa caatgcttaa ccaccttttc ccggttaacg atccttcgac 120  
ttctggcgag gcaccctcca caagctgagg gagggatgtg atgcttcaac ttctaccagc 180  
accaagagta ttgatcatct gctgatgcct aatgatttag cacctcccaa ccatcacatt 240  
gatagccttt atatgaggag aaccactgtc acttagcctg tttggcacga tattctacag 300  
ggaagctaac catgtagcat gttttcattg ccaccatcgc agataagtgg cttggaagaa 360  
catggaccaa aatccctatc ttggaacaca ccgccaagta atgtgctcga tacattggcg 420  
attgaaaacc acctactttt agtggcttgc gagcttcacc tctactttat attttttact 480  
cttcacaaac taccgcccc 499

<210> 7406  
<211> 484  
<212> DNA  
<213> Glycine max

[illegible]

<210>	7407
<211>	321
<212>	DNA
<213>	Glycine max

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tgcacccata	tacaatcaag	gcagcttcgt	tacctagatt	atttacacgt	acttccaagg	120
tgtatttggt	acttacatca	cacacctcct	tggctaaact	cacatacatg	cataactcaa	180
gcattttggg	gtaccaaaaa	ttgcacatgt	gcacatcttg	gtattttctaa	tacctataca	240
tacacaaaact	tcatgatgaa	tcttaactat	ctacacaata	aggtgctaca	ttttatgctc	300
ttttcaagat	ttagctacct	a				321

<210>	7408
<211>	276
<212>	DNA
<213>	Glycine max

tgcgcaatcc gtgaaattct gaatgtgtcg gaaatcgaat ttaggtgttt ttgcgcaatg 60  
cgtgagtttc cgtaacttct tcgaaagcta aaatagagta aatacataat ccgtaaggat 120



tcgtaacctt gcggaaggaa aataagtatc gttacggaat tcgtaaagtt tcgtaacggt 180  
 acggaaaaag aattaccaaa aaaatagaaa ggcggggtgca tttagtaaaa aggggggggta 240  
 caaatagcaa tctagccac ttgggccttc cagatc 276

<210> 7409  
 <211> 430  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7409

gacttttaag ctgctctctc tacctttata aatgtgggtc taaaatattt cacaagtcac 60  
 cacttactag atcttattac caataaattt tcaagacata cttgcatgcc atgtttgcaa 120  
 ctttgaataa ttttttgga tctgtttctg ttactagttt tctttcaata ttaacacatg 180  
 gttgacatca actagtagtt gatgacaaaa tattgcacag gaaagagata acatgtgaag 240  
 aagttataaa agattgatga gccatgatga cgtcactctaa aagaagaaca agtcaaaaca 300  
 ttcactatcc accanagaaa caaaaaggag gtaaaactta cccttaactt gttcatccca 360  
 gcatagctta gtagccaaag tgggtttccc cattccaccc aaaccagtga gcagaacaac 420  
 tgacactcca 430

<210> 7410  
 <211> 450  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7410

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 ggaacactat caagaagcat tcccctatat gtctgcatct tgttgtaacc atctgtagtt 120  
 tcatcaaact tatggactcc acctatgtct agaccagcaa cttccttcca catggaaaca 180  
 tctgcgacca tatcgactcc attaacaata tagaagaggt tacgttcaag gtcaacatgt 240  
 gcataagtgt agaatacttt gactagtttt atgttaaagt tctctttcat ccgcaaaagc 300  
 tttgccagcc cttgaacttc cagtagattg ggaaagttaa acccttgctg agaaaacat 360  
 tccaagtcca gatacttgcg aactttcatg tnttttacia cataatttaa cttgtagtcg 420

ctctctcttc cttaatctgt gaaccatgta

450

<210> 7411  
<211> 265  
<212> DNA  
<213> Glycine max

<400> 7411

ctctctcttc cgaatctgct taggaaaatc gttttcgtga acaaaatcca agccgaggcg 60  
cttccgtaac gtttccgtga gtgatttcgc gaaggttttc gaccgttctt cgacgttctt 120  
cattccgtct tcacgttctt tcaactcttta acgggtaact accttacacc aaccctttca 180  
attcatttta tgtactcgtg gtggcccaca tttggtttca tgtattttta ttctcccttt 240  
catctacttt ctataccacc ttttg 265

<210> 7412  
<211> 346  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7412

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tcgcgcatga tataatttaa aatgtaagtc caacattggt tttcaatata aaaccgatgt 120  
taacagaatg atgttaacgt taacatcggg tttcttcaag aaaccaatgt taactgggtca 180  
tacgttaaca tcgattntca gaaaatcgat gttaacgaac atagggttaac atcggttttc 240  
ttcaaaccgg atgttaacga agagatatta acatcggntt tggaaaaacc gatgttaaca 300  
aattaatggt aacatagggt ttacaagaac cgatgtaaac gtcact 346

<210> 7413  
<211> 446  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7413

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aattttcacc atggagatgc agcggaagac aaaggagaag aggtgagagg aggcgccatc 120

cattaaggaa taagccatgg aaaaaaagag cttcaccacc aagatgagcc ttggataaga 180  
agcttggaag gatgcttcaa tggaggaaaa gaaagagga gagacagaga gaggggggag 240  
cacgaaattg aaggaagaaa aaggagaga agttgaactt tgagttgtgt ctcacaagac 300  
tctcattcat canagttaca acaagtgtta cacatgcttc tatttataga ctacgtagct 360  
tccttgagaa gctctcttga naaaactctc ttgagaagct tctctgagaa aactctcttg 420  
agaagctaga gcttagctac acacac 446

<210> 7414  
<211> 419  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7414

gaagtttggt tttacatgcc gaaatatctt tagtgtaact tgtattgagt gttatattgt 60  
gtgttgcatc ttagtatcta ttatttcata tgtgcatcat gcctcatcat gtagagtaa 120  
gaagaaatgt ttttgaagt agaataactc ttttgaagt aaaactcttt gttttaatag 180  
attacatggt gatcgtaatc acacaagtgt ttgtagcttg cagaanagtc cctcgatcgy 240  
gtttaatcga ttataggctt atagtaatca attacatagt tcttttttag aacaatgatg 300  
atttttcaag agtctctact ttaatcgatt accagtgata taattgatta ctctcttttt 360  
aaaagtgtgt tagaagtgat caagagcact ntaaccgatt acatcaagaa tctaattga 419

<210> 7415  
<211> 360  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7415

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atggataaaa cctagaggca tactgacatt tgagaatggt gaacttgatc tatttgccac 120  
acaggatagt gtaatgtttt atttttacaa ctctgtaaa ttgtaccctg tggcagtgca 180  
gtttctacta gggtggnntt cttttggttc gtcttggtga tttcttgaca catgttgatg 240  
ttgatacaaa ccatttcaaa atgcangtga ggctaaaacg agagcatcta aacattgcaa 300

agtttgagcc tgaatatgga ctagatccaa tgctttgatt agctttgggt ggatctgagt 360

<210> 7416  
<211> 449  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7416

cgatgccaat gagatgacga acggctgttg acaacatttt gatatcacga aaccagcaac 60  
tggtacagta gagaagcttg gtggctagag acctgcggac gtagcgaggg tgctattgac 120  
cataatcagg cttgatcaat gcctgaccac ccctggctta gtcggtcagg gagaacgtgt 180  
gacgtaccta agcacgcgag ctctgttgg tctacagatt acaggaaaac acgaccacat 240  
agcaaggagg cttgtggtgg ctgagccact gtgaatcatt gtgtatttgt ggattgcgtg 300  
cctctgcaat caaacaacaa ggaggggtgat attactctaa cgtgttcac tcagatatgt 360  
tggtaccaag gtggttgtag tctttcatca aatcagttat cacatcatct gctctttctc 420  
tttagatctn gaatcttacc tactaacgc 449

<210> 7417  
<211> 293  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7417

catgcaagct tatgcgcata tntccttacg aacattctca tgcacaagat attctattaa 60  
ctatagaaaa atgcacccat atacaatcaa ggcagcttcg ttacctagat tatttacacg 120  
tacttccaag gtgtatttgt tacttacatc acacacatcg ccttggctaa atttacatac 180  
atgcatactc aaagcatttt ggggtaccaa aaattgcaca tgtgcacatc ttggtatttc 240  
taatacctat acatacacia acttcatgat gaatcttgac tatctacaca ata 293

<210> 7418  
<211> 248  
<212> DNA  
<213> Glycine max

<400> 7418

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 acccccactc ttcccttccg cgatgcttct ctttacatct gcctgagtgg gcttatagcc 120  
 taaaccatac ttcccacgat ttcccttggc atttatcacg ctagttatgc cgccgtctgc 180  
 tttgactaca tccattacgg gttcgaaacc gtcceccaac ataacttgcg ccatcattac 240  
 tgctgcat 248

<210> 7419  
 <211> 429  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7419

caggcatgca agcttctagt ctcaattnta gcgtctcgat atattacca attcaatcgg 60  
 acatccgagt aaaaagttat tgtcngttga atttcctacg agcttctgtt ttcaatttgg 120  
 agcgtctcga tatattaaag gactcaaccg gacatccatg tataaagtta ttgtcaattc 180  
 atatttctta gagcttcgga ttaaaatddd gagcgtctcg atatattacg ggactcaatc 240  
 agacatccga gcaaaatggt attgtcgttt caatttgata cgagcttcta ttttcaattt 300  
 ggagaatctc tccatatatt acaacactct gtcgggcatc cgagtaaaaa gttattgtcg 360  
 tttgaattct ctaagagttt ccgttttcaa tttggagcgt ctcgatatat tacgggactc 420  
 aaccggaca 429

<210> 7420  
 <211> 460  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7420

cgaaggcaca ctggatgtgt tgggtcaactc ggtaaccag ctgttcttga atcagaaatc 60  
 tgtacctgtc gcaaggggta ggggatagtg ctgctctgct gaccacgata cagacctttg 120  
 cccttccatg cagcaacctc gagcaattga gcagcctgaa gcttatgcag gacatatata 180  
 caatagacct cctcaacctc agcagcanaa tcaaccacag cagagcaatt atgacctttc 240  
 cagcaacaga tacaactctg gatggaggaa ttaccctaac ctcagatggt ccagccctca 300

gcaacaacaa caacagcctg ctccttcctt ccaaaatgct tctggcccaa gcagaccata 360  
cattcctcca ccaatacaac aacagcaaca acctcagaga cagccaacag ttgaggcccc 420  
ttcacaacct tncctcgaag aacttgtgag gccaatgact 460

<210> 7421  
<211> 319  
<212> DNA  
<213> Glycine max

<400> 7421

gcaggcatgc aagcttttaa taattggctc agcttcctcc atgtgtatag gctccccagt 60  
catggtagtc tttgaaagca aaagctgaca acttctaate tttgagctaa gctcccaggc 120  
aaggtgaaga ttatcgtgct ctttggcaat aatcacataa gacctggcca gaaccatttg 180  
ctctgctaac tgccgtgaaa aggatgttgc acttaacatt tcctcagtaa aattatatct 240  
cttggcaaaa tgttcaactc tagcatttct ctctgcaaa gtaagtaact tgctctgtaa 300  
gtaccacta cccagaggg 319

<210> 7422  
<211> 198  
<212> DNA  
<213> Glycine max

<400> 7422

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ccaagcccct acttttgagg ggcaactccc actctatgaa gactatcccg ggcaagacga 120  
tggggaagga gatactccat cttgccccct gctccacctc aaagatccat ccccgctaga 180  
actacccag ccgaacat 198

<210> 7423  
<211> 468  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7423

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ctttgagaag ctttctcaag aggattcttt gagaagctag atccttatct atccacaccc 120

ctctattaac taaattaact tccttaaaaa taattacgga tgaaaataac gcaacaaata 180  
atcaaacatc aagcataatt actaataata tatatatata tatatatata tatatatata 240  
tatatatata tatatatata tatatatata tatatcgccg gggccgcact anacgcctac 300  
catctactcg cttcacctat tgactcctga atctttacca aacacccacg cctgacccac 360  
ttccttctcg aactctcctt cacctcccca ctctattcct caccctcttc cgactggcca 420  
cctccgcgcg tgccctttgc tcgtccctca gcgtgctgac tctcctcc 468

<210> 7424  
<211> 106  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7424

cgcatattaa gcatacccgga aactcgccaa caccctgtga ctctantct tgtctatcgt 60  
cgcatctcac tctcttgctt gcctcctctc gatcctttac cctacc 106

<210> 7425  
<211> 186  
<212> DNA  
<213> Glycine max

<400> 7425

aaggcttggtg tatgtacaat catggccttc attatgttct catttataca tttcattcta 60  
aaattcagag attgatgcaa agattattac tccaagctag tcgttcactc acagagtaag 120  
gtcacactct caccggttct gcgttaagct tttctctctc aatcactatg tatactgact 180  
aacaat 186

<210> 7426  
<211> 335  
<212> DNA  
<213> Glycine max

<400> 7426

cgcgtctgga atgctgactc gagagatctt gacaaccac tctatttctt ttacgccatc 60  
aactcaatg cttgaggggt cgtacatcat acaaaatggg aatccccact ataccgactc 120

aagagacagc gacaactcag gcgtaagcat ttatgccatt aggctaaatg cttgagggga 180  
 tatactccgt gcaagatgaa tatectagta agaatgactc aggagacaag gaagactcac 240  
 ccttaagcat tttatgcccaggataaaatg cctgaggggt tgtacaccag accgatatga 300  
 gtattttgga gatattgcct ctagtgagga gatga 335

<210> 7427  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<400> 7427

tctagccaaa tggacttacc ttgaattaat tcttttgata tctcttttcg agccttgttt 60  
 acctttcctt gggttgaaagc tcaactacaag ccttatatga aaaaccatga tatgaccata 120  
 ttcttaccga attttgagc tttggaattg ttttggaat aagcgcgggg ggctttttgc 180  
 tctattggat aactcgttct cgtggctatg ctttatgatg tatcttgccg catacttcat 240  
 gtacattgta tattgcttaa atgttgagaca tgctgaatg 279

<210> 7428  
 <211> 120  
 <212> DNA  
 <213> Glycine max

<400> 7428

ctgtggatgc ctttaaaatt taaggctgat gtcaagacat tatgtggaaa gcaaattaag 60  
 atcgtgagat ttgatcgatg tggagagtac tatggcatat acatggacaa tggacaagct 120

<210> 7429  
 <211> 162  
 <212> DNA  
 <213> Glycine max

<400> 7429

gactatacga ggtatcttcc ttgcgtatag cattatatct aagggtacc gtgtcttcta 60  
 cttgcgaact aagaaactca tcatcagtcg agatgttgaa gctgatgagt acactctttg 120  
 gaattgggat gactcaacac gcccgacaa tattcttacc cc 162

<210> 7430



<211> 238  
 <212> DNA  
 <213> Glycine max

<400> 7430

gaataataat caaatattac taaaggttac attatcattt ataagtcaaa accaaataga 60  
 atccagtcac aaaatactaa gtgccaaata ccaaaatata actaatagtc agagaatgat 120  
 aacttataaa gcatagccca atacacggct taaaataaat aataataata atctaaaact 180  
 atgaaggtgg tggaaggtcg agcaccgacc aaaataactc acatcctctt caagctga 238

<210> 7431  
 <211> 348  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7431

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 ttaagtctgc tatcaaagga gaagatggta agaggactac cctatattaa tcaccctgat 120  
 caactctgtt aaggatgttt acttggcaag aaatttagaa tgatttttcc aaaggagtca 180  
 aactcaagag ctaagaagcc acccgagcta atacatgtta acgtctgtgg gccaatcaag 240  
 cccaagctc actacgtaaa aataaatatt tcctctttct cattgattat ntttcaagac 300  
 aaacatgcgt ctatttctta aagcacaaat cataagtctt ttccacct 348

<210> 7432  
 <211> 400  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7432

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 ataagaacaa aatatatgca tgttgaaatt tataagaatg aaatctaaca ttatatgata 120  
 taaacatatc tttaagggtt gatataatat tcataataac ctacttaaaa atatattttg 180  
 aaataataca tttaataaag acataagctt attttttaaat aaacttaact ataaaattta 240  
 gtctaccgct ttatataaat caacatgatt aacatttttaaaa aaaataaata catgtaagat 300

[illegible]

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<223>      unsure at all n locations
<400>      7433
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<210>	7434
<211>	395
<212>	DNA
<213>	Glycine max
<400>	7434

<210>	7435
<211>	358

<212> DNA  
<213> Glycine max

<400> 7435

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gtacgatgtc cgaactcaaa ccgggcatat cttggtatga ccaggcaaag atgtcttgat 120  
agtttttttag cagggccatc atttcttcat ggatgggtgc gatcataccc gtgcctatct 180  
ttacttcctt tttccacta ttggttcta agtcactag ttccgtctct tcttgatgac 240  
ggcccatctc ttcgtcctat gggcaactat attcccaact ctggggaagc cccaccccca 300  
tcctcttact ttccccgac ccgttcttgc tcgcaccacg gcggttcac tataacc 358

<210> 7436  
<211> 421  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7436

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cgcaggattg gcaaaaggcc atgcttgaag gattcgcgcc ttgngtgaat catggtggtt 120  
gggtcccttg ccaatgaaga tggcatgcac gacaaaggag gtcgaggagc taggaggggg 180  
aaaagtctac ggggaagagg tggtaggtgg cggaaatgga agatgaaagg acggaggagg 240  
agaattctca atgtttgatt tatatattta tttactttaa ttgattctaa caatttttta 300  
ctgtcagaga atttaaatat gatattgaaa caaataccga cgaattttta agctgtcaca 360  
aattgcgcta tcaaataattt aatgaacaca tcatactta acgtgacgac agaattctaaa 420  
a 421

<210> 7437  
<211> 452  
<212> DNA  
<213> Glycine max

<400> 7437

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ttctagagag agacagggtcc aagttccaga gagttttgag agatcttgct gtgtgaagat 120

ctgcagagac cagagcttga agcaggagct ggtttaagag cttgagatga gtctgtaagt 180  
gattgtgaga tcctagaggt gaaggagaca tctcaccac ttgtattttt gcaatctttc 240  
atcttgttct tctcttttgg gctaagaagg cttcctggta tggaaagcta aatcctctat 300  
tggatcttcc ctgtaggtac ctaatgtaaa tatatttcta tctatttaat gatgtcttgt 360  
gtgttctctg tgctatctgc ctttcattcc agtatgtcta tatcttgatc acgtagatgc 420  
atgcttttgt acggtcattc aacagtggaa ac 452

<210> 7438  
<211> 189  
<212> DNA  
<213> Glycine max

<400> 7438

catgcaagct tgtaattgat aactgaagct ctgagcacat tcatacgaca ataacttcta 60  
tctctgatgt ccgattgagc cctttaatat atcgagacgc ttgaatatga aaacgcaagc 120  
tctaagaaaa gcaaacgaca atatctctat actcggatgt tcgattgagc cctataatat 180  
atcgagacg 189

<210> 7439  
<211> 371  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7439

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aattgtccac cggtttacca acttctctta tgctatttgc ctaatcctaa atttctgatt 120  
tcttttaaaa aattacacca tactatatgt acagtatatg attgggtaag aaaaaataat 180  
ttagactaaa caaacgtatg tatagtatta cgatttaatc aacttaatca tagattattg 240  
gtcaaaggat gcacttattc acacacaaga aatactatta tgattgaaac ttacttaata 300  
ttcacataaa tatttaaaaa ggaatttatg actctgaaag ttaatcttca tcgtctattt 360  
ttatataccta t 371

<210> 7440  
<211> 177

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7440

tgcaatgtat tgctcgacaa ggacatgaat gctngttggt tatcttgggc ttgcaaggct 60  
 gcatcaccat gaacatgtgg ctgacacaac aagagtgata gggactctgg ggtacatggc 120  
 acctgaactt gtccgaatcg ggcgaccatc agctgcatgt gatgtgtata gtttcgg 177

<210> 7441  
 <211> 359  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7441

atcttctata taatctgaac tattntatca atattcaciaa gttgagtttt attcagaana 60  
 ttagagttta tctcttttat cttagagaga gtgattctcc taaattcttg agtgattcaa 120  
 gaacaccctg gctgtgtcaa aggactttta caacctttgt gtgttgccct cactggaaag 180  
 agtgattctt tccttccttt catcttcacc cttgttcttt caaaccacaa ttccagaaaa 240  
 tccacctctg cccagaatta tctcgtggcc ataactccca ttttacgtac tcaaattaag 300  
 tgattcttga gcctaaattg actttcaaaa cgagaccttt cacctcgttt tggaatcac 359

<210> 7442  
 <211> 158  
 <212> DNA  
 <213> Glycine max

<400> 7442  
 gcttcttccc gttcgtcgtc atgcagggtg tcaacatctt cattaagcct ctgtctcatg 60  
 ctctatcttc aggctgatat tccaagctgt gaatgatgaa catgcagtcc cagcttgccg 120  
 cggctctcag tcgaagccta cgtacgctgg ataatcaa 158

<210> 7443  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations

<400> 7443

ttcttattgg attataacaa cgcccagaat ntattcttct tcttattttc gcatacaaat 60  
tattttatca ctaaattgat catctctcta acgactgaag agatcaatac aatatatatt 120  
tacgtattta tctgagacct gtcgtgatat ttgtttaaac aatgtacatc tatatatatt 180  
taagagtaca tagaaaaata ataggacttt aaatttaagc catcttcttg ctctgttcag 240  
cacctttaat ttcaaaatca attt 264

<210> 7444

<211> 623

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7444

ctccgcctcg acgtcgcgng cgcgccatac acccgcatcc tgacacatgt cgntatnata 60  
tnnnnnnnnn nnaagggacg cgctagtggg ngcatngnag gaggccgncc gttttgaaac 120  
cactctgcac nccccncna cncacgcccg cccatttgaa acccttcgan annncncntt 180  
ntataccgaa ctcaagctct tctctctcct tcgcaaccgc acaatcgaag aagcacggct 240  
ctctactcc caccacgca gctctctaaa ctcaactggc ccagctgctt ggccccctcaa 300  
ctctcttacc agaacacact ctcttctctc acgtgcgtcc aggccatcac tatgtgccgc 360  
ccgaatgagc gtcaacttac cgccctgacg ccacctgtct caactccctc gtcgtcttcc 420  
ggcaaccaca cactctatgt cgctccctc ctctgctcca gctcacctcc cccaccgtaa 480  
gacccgcaca ctgtcgtcgc ccgcctcgct tctccctga cctccacgat ggccccatcg 540  
aggcctctgc gacagcacta naaaatttaa aacaccttat tctcacaaga tctaacactt 600  
agaagtacaa ctgaaaacta ccg 623

<210> 7445

<211> 435

<212> DNA

<213> Glycine max

<400> 7445

gcttgatttg tgtgagcttg ttgtagcatg ttatgtttgc tgttattttt taattctttg 60  
accctttgaa tggccaaact ggattttgat gtcttcatga gagttgtaga gaattctatc 120

cttgacattt aggtactggg cttatgtcat ttggaccaat aacacataat aaatcttcaa 180  
 agcattgcac ttacgttata ttgtaaggat aaaataacat ctttatcttc atgatcagtt 240  
 tcttccaaga tccaaacctt attagccctt aacttcttca tgaaagatgt atatcttttt 300  
 cttagatttc cacatcaatt gagataatat caaatacact tttgtagctt aagcagtcta 360  
 ctaattacta ctacacacat atcaagttgt ctaggcaaac caacgtctgc aacttttaggc 420  
 ttaattttat ccatg 435

<210> 7446  
 <211> 455  
 <212> DNA  
 <213> Glycine max

<400> 7446

taagataatc atgcttcggt gtccctatatt ggtgccttct taatcacaga tttgtaagtt 60  
 gtaattcttt gatttcgggtg ttttcgcctt taattaatta attgtttttt tagtactttg 120  
 taagatagta gcatgatgtg ctgctagctg ttgcctatta gatagtgaca tacattcttt 180  
 gccgcgtatg ctttatattc tatacttata ttcggtacta aaagtcaaaa taaaggaaaa 240  
 aatatatcta catatatgtg cagtaagatg cttcagcttt cctttcattc atttattgaa 300  
 gccttaaatt gtttgaagtt tacttaaaga ttgtgaatat taattgtgat ttctgaattt 360  
 ctttctcaaa gcctcctttg gacactcata tttatttatt tgtcatttat aatattaataa 420  
 tatagactta aatatgaatt attattatga aataa 455

<210> 7447  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7447

gcttatcgta atcgattaga caattattgg gatataatga cttgttnttc aggagtctct 60  
 actttaatca attaccagggt gatgtaatcg attacttctc tctaaaaagg gtgtctgaag 120  
 tgatcaataa cactctatcg attatatcaa gaatctaatt gaacacattg ttcttgcaag 180  
 ttatgcagat ttgggaaga atactttatt cgattgaaaa gataatataa tcgatttctt 240

<210> 7448  
 <211> 498  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7448

cgcnccgggt atgagcccct tgangtgagg cccattgaga cacttgagct tacggcggtt 60  
 ttcttatgct gaaagatcca acttattcct tttctgtcag attgaccaca acattttttac 120  
 atccgtggca aagcccctat ccttggtgct aacatacacc acccaagtat aaacgatggc 180  
 ggtgatttcc aaagatctcc ccagctgatt tgtagaccat attagttgga cgcttggtca 240  
 atacatgatg cgggacctaa atgtgtccta gtgcccaatc atgatttgca cactcattta 300  
 ctcaccaatc tctcgtgat actcgccatt accaacctcg tggccccctc ctgcccttcc 360  
 ccaccttcca actacagccc atcgcaatca cccctctcct ccttctagct aaacatgcgt 420  
 ccacctcaag tgctacctcc ttcgcttgcg tccccctcct caccgcgccg cgttttcctt 480  
 ctcttcgcgc cctcaccc 498

<210> 7449  
 <211> 159  
 <212> DNA  
 <213> Glycine max

<400> 7449

tgcaagtggg agtccttcca gtgaccatct tgcgggtaga gttgtctatt aaaaaggat 60  
 cctgttctgt aaccttacct tctactgga aagatgttga tggccccagt gcttaagtac 120  
 ctcaacaggt acatggaacc ttacctctct attgcgaaa 159

<210> 7450  
 <211> 346  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7450

agcttataat ttaaaaaaat caaattaatt aaaatataaa aaagcgagat attttccaca 60  
 aggctatcta ctttggtact atgtcattgt taccctatgt cggtgttact ctgcgtaata 120



ataaacattn tgtatgctat ctttttcata tttgttcaag tttgattcta cactcccacc 180  
 atatcaacca ttatcatact aaactgtttt cttctaataa tggctgcaac aacacgttcc 240  
 cttgcatcca tctacgatgt gttcctcaac ttcagagggg aagacacgcg ctatggttnt 300  
 actggcaatc tctacaaggc tctttgtgac aagggaattc atacct 346

<210> 7451  
 <211> 463  
 <212> DNA  
 <213> Glycine max

<400> 7451

ttcttaacta atcccagaac aacaggcaag taatcctcaa gagcctgcag aaggtcagtc 60  
 agtggtgaac ctctgcaga agaaatcaaa cgatgccgat gcatcaataa attagagtaa 120  
 cttattcatc ataaaatcat gttgttggtg gtaaaactaa ccatgctgag tttttctttt 180  
 tgttcttgta attgtaggac cttcttgacc agccattaca actatacgcg ttctaagagc 240  
 agacaggcgt tccactatat tcttggacaa ataatcacca agtgattgag caaaatcaac 300  
 aggttttagga atcctcaaac caggaacata tactgaaagt tcaccaatac tcccctggcc 360  
 tcttctatct caccagagtc cttcggagct gacaccacac agcccatgtc taaaggctca 420  
 ctgtatctgc tgaatgctgg cacagataag ataaagagaa tca 463

<210> 7452  
 <211> 70  
 <212> DNA  
 <213> Glycine max

<400> 7452

agcctcgaag acctttccgt gcctcgacac tcactactag ccctaaggga aaaaccatga 60  
 ttctgccata 70

<210> 7453  
 <211> 525  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7453

cgcgattgaa aacccttgga annagcggat ctttgaacct ctccactcgc actgttctat 60

cgaagactaa caacttgctt gtgcaaagct ttaacactgt catcttccta ttttccaactc 120  
 tgttgggagg cattcggttg gccgttatat aggatgttgc acctgcgccg tattatatga 180  
 tctgcgcatac atgcataaac tcgggtcaga gagaaaaaac gtgcttgcca tagaaccagc 240  
 tctcaggaat gacgacctg agagaagttg atatccacgc ctcattcattc aattacatac 300  
 ctgtctctac cccgccaccg catgttatgt atgttggatc gtgaggcacc acaataatga 360  
 aaagcggcgg gaccaacaca ctacctctaa caccttacca cgctcaaatg aatcgttatg 420  
 cgcattgcgt tatatcgacg agtgccgagg agatactacc tcctgatcgg cgggccgac 480  
 gtccttatgg tgcgcgcggg cttataccac ctgcagaat gaccg 525

<210> 7454  
 <211> 301  
 <212> DNA  
 <213> Glycine max

<400> 7454

gcatgcaagc tagcagtagt gaaagtagct ttatgtgatg ttatggatta aaaactctct 60  
 cttgcggtaa aacggcacgc ctaaagtatt catttcatac tacaagtaaa caggtatatt 120  
 cataccagca cgcaactggt tgaagctata actgcccac aacacacaag gggactcctc 180  
 cagcattaac gtgattgaag catgtgacga tgccatacac taatctgatg aattatcatg 240  
 tcgtttgaaa gctcgagggtg ctatgccctg cacctacata acacctacat tatatgctct 300  
 t 301

<210> 7455  
 <211> 600  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7455

catctcacct ccaactgtcgt atgcctcacc ctatttanca tattcttttc cccctcanc 60  
 ccnnnnncac ccggccccgc cgattgagac cctgcnannn gcngacattt gagacgcttc 120  
 gaacnacaca ccancatgcn acagccacgc tatacacgga gacgactctt atatctacaa 180  
 agcaacgac 240

tcacaaacct cctcgcgaga taccaggaac acactacgca acactagtgt cacgtcttac 300  
 tatctgtact gacaaacatt aacccgtagc atggatagct tatgttgagc caacgcacca 360  
 ctgcatgacg attaagacta ccttacggag ctctatacag agaccagaag cttcaacgat 420  
 ccaacgaatc atcatgtcaa atccaaaagc gactcggcgc acacaaacaa cggacaccac 480  
 acgtatctcc gaatcctttt acaaaccacc aaggaactca gtcgattatt cgccctcaaa 540  
 cactaaactt aacctacccc cagataagcg cactaacggc tctggcacgc cttagccccc 600

<210> 7456  
 <211> 389  
 <212> DNA  
 <213> Glycine max

<400> 7456  
 agctttgatg caacatttgg agagtgttaa tgaatcaacg agatgatgcg ctccatgata 60  
 ggttgatca aatggagaat agagatcata atgaagaaga aaggaggaga agagggaatg 120  
 atggtgttcc tagacaaaac cgaattgatg gtattaaact caacattcct ccatttaaag 180  
 gaaagaatga tccggaggcc tacttgagga gggagatgaa aatagagcat gttttctcat 240  
 gcaacaacta tgaggaggac caaaaggtga agcttgccgc cacggagttt tccgactatg 300  
 ctcttggtg gtggaacaag ctacaaaagg agagagcaag aaatgaagag ccaatgggtg 360  
 atacatggac ggagatgaaa aagatcatg 389

<210> 7457  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7457

tatgcgcata ttcccttaca aacgttctct tgcacaagac attctattaa ccgaaaaaaa 60  
 tgcaccata tacaatcaag gcagcttcgt tacctagatt atttacacgt acttccaagg 120  
 tgtatttgtt acttacatca cacacatctc cttggctaaa ttcacataca tgcatactca 180  
 aagcattttg ggggacaaaa aattgcacat gtgcacatct tggattttct aatacctata 240  
 catacaciaa cctcatgatg aatcttgact atctacacia taaggtgcta catttcatgc 300  
 tcttttcaag tttttgctac ctaaggccgc atgcaaattc aagtatattn tccttcgctg 360

gctaaaattg gattcaaatt aaaagggata cattcttttg gtaatgtatc ttctttacat 420  
agcatgcaac atatttatgt atattt 446

<210> 7458  
<211> 349  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7458

tgcaagctta tgaagcctat ttcgcaatta nttctctttt attcgagtag catctctact 60  
atgataccag ttatgaaaac actgcacgaa ttctaaaatg ctactcttag cagaaggggc 120  
catttggaa gctcatatag caattcaatt ctaatccata tatcacgtat tttatatata 180  
ttcatattcc ccaagagact acttttcaaa tataatttga ttccatcaaa cgtatgtgaa 240  
tccacatagt aaaaatatga gagcatgtag agacaaattt gagaacagct gtggctcaac 300  
ttgcacccaa taatgagaat gactcttgag ccatactctg gggatacct 349

<210> 7459  
<211> 148  
<212> DNA  
<213> Glycine max

<400> 7459

catgcaagct tcaagaaaaa gatggcctca tcacacgccg cttgtttcag aagggaattc 60  
tattattaga cctcccatct ataatggaga gggttaccat cactgcataa gccgaatgct 120  
aaacattatt gatgctacct acctcaaa 148

<210> 7460  
<211> 354  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7460

gcatgcaagc ttgaggggtga gggtgccggt tctcggttcc gatttcgagg accgtgtcgg 60  
tggtgtttat cgcggatctc cgaaagatgg tgtccagaat tcgaggggtg atgaaaatgt 120  
gttggcctct gctctttag aaacgtagag cttcttcgcc atcgccatcg ccaccccat 180

ctccatgcaa ttgccgcact gatcgtaacc tccgaggaat gaatccaact acgcgtctag 240  
aggcaccaag catgtgccac tctcatgtac antttttatg cgtttcccaa gcataagcat 300  
agatacctag tttggttgct cctttcttcc aaggcccatc aaagcccaac tgga 354

<210> 7461  
<211> 415  
<212> DNA  
<213> Glycine max

<400> 7461

ccaatatgaa taacatcttc caacaatcaa aataaatatt tattctataa tgataaaatc 60  
attttcaatt ctttttaaaa aaaattaccc tgtatgaaat tgaaaaagtc aaatctttta 120  
ctttacgtgt tatttcaaaa atctaataatt tctatttttc ttttgagaa atgaaatgac 180  
agctatacat aaataggaat gacaatgatc aagatttaca tagggtccta tagtattcct 240  
tatataactt ttaaaatatt tattataaaa attaataaat ttatgggttg atttataaat 300  
aaatgacata ttggaaagtg aaaaagatct ttacactatc aatagatata ttactttcta 360  
tatttctcag aaaaggctat atatatatct atattatcac ttaatagtct ctata 415

<210> 7462  
<211> 55  
<212> DNA  
<213> Glycine max

<400> 7462

cgcgctctct aagacacctg cagcagcttg ttgaagatat gggaacccat cacat 55

<210> 7463  
<211> 527  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7463

cgccaccgca atgagccccc tcgaccccg cgctcatgaa caccctgcac nncnncnnn 60  
nnnngcacgg acgttgagac ccttgatanan ccncatctt attgtatact caagcttgag 120  
ctcattgttg ctgccccaca cagctcctcg caatttatct cgaccatgtt cctccttggtg 180

ggcccttatg gtttcttggt caagggctct cgcagcggcc gcgccttcct ctcgcaactt 240  
ggagcactct ttccggatgt ttgtagccgc tgtctcgaat tcactttgcc gagggccccc 300  
ttccgtacct ctacctcatc acctcgctat ccatcaaccg cctccccac tcgcccctct 360  
ccccatccgc cctccccat gccccctccc cccctagcta ctctcgctc ccccccatc 420  
ctcactctc tcaactccca ccaactacccc tctctgcccg ctctctgctc cgcgcgggcc 480  
ccaccgcct cccgccatct tcgcccctctg cacctcgctc tctccgg 527

<210> 7464  
<211> 298  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7464

aattaataat actaaaatta gatagacttg tttgaacttt aaattggtct gatatctagt 60  
ttggatatag tttatcaaat tgcatttctt actacaccgc gataacatat attgtagtaa 120  
ttacaatggt tgcattatta cattaattat actcgtcatt tgtgtaatat tttttataa 180  
tgtcaaattt taccaatcta aattntatta agcagataat atttatataa aaaacagaga 240  
caatatgtag ataattagat taatttctta agcatgttat taagagggtc ttattctg 298

<210> 7465  
<211> 380  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7465

taagctacac agatccgttt gcatccatca atatatttgc acatttaata tcctataat 60  
tgagaggaaa taattaggta gatacaaagc ttgtttcatg acattgcata aatgaaacaa 120  
aaatacataa aagaatatgt tacacaaaat atgagcatac tgcacaaccc taacaaaaaac 180  
actagccagt aaaatatcca acacttaatc ctcatgtgac atgtatggtt tatgcagttc 240  
aagttccaaa gacaaatggt ccttatactc tacatttaga acttttgtac tttattntc 300  
ttggggtaat tctcatctct ccttttggat ttagcgaatc attcagnctc tcaagcttaa 360  
ccttgttcaa taccaaagaa 380

<210> 7466  
 <211> 456  
 <212> DNA  
 <213> Glycine max

<400> 7466

gctgaaagcc acattaacca atatgagcaa ctatgcatat ttatctggag gaggcgtgaa 60  
 ggttttttga tagacgcaga tgctcgatac attagaggta atgccatgag acaatgactc 120  
 gacgatgact ttatgtcaga agagggatga tgaggctgga ttggttctca tcctagctat 180  
 caatgtttac cttaatccaa gacacgacca tacgtttgac tcggaggacg aagatgggcc 240  
 ccatatacat tcggacaact atgaattgtg gattataaca tgagggactt attagcataa 300  
 cggtatgtata gatggaggct ttgttttaca ctccaaaaag atcgggactg tcttgaataa 360  
 tgggtgtacac ttgcaggcac ccaaacgccc attcaccttt taaatgacgt gtagatgaaa 420  
 tcactaatat cgaacaactc cctaacgact acagt 456

<210> 7467  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<400> 7467

ccacatctac aatgtttgcg ttgagtcgcc actgtttcta cctcactggc taagctgcat 60  
 cctctaaaag gacacctatgc atgcacgcag atgggctaata accacgaatg ttcgctaaag 120  
 ttccatccaa tggccctttt gtgcttcttg agcaccggca acaacctctc atcttgttca 180  
 catcaatgga agcacacatg atcactggaa atttgatgca atcctacccc gcaagggca 239

<210> 7468  
 <211> 333  
 <212> DNA  
 <213> Glycine max

<400> 7468

attccctttt tgtttactct ttataacccc tgctgacgcg ctttaagccat ttactttaag 60  
 tcctttctcg cttaacttaa aaataaaata aatttccacc gaacgtttga attgtattat 120  
 ccattaactt cggctaaaaat aaattccgac cgttcggtcg tgccgtaacc acgttgga 180

tcaaaaagag gtaaaaaaaa tattataata ataatcatac aacatccttt atgtaaataa 240  
 agcggataat caatcggaca tttcttcttt gggatttctc attcttaatc gaattgatta 300  
 ataactaaag tgaaactaac gcttaaatca act 333

<210> 7469  
 <211> 331  
 <212> DNA  
 <213> Glycine max

<400> 7469

tggacattac ttcttctatg gacgctatat ctacgcgcat aatataatcgt tacgctcaaa 60  
 atcgaacaac ggaagctctt gagaaattca aatggtcata accctttcac tcggaggtcc 120  
 gattcatgcg cataatatat cgagacactc gaaactgaac aacggaagct ctcgagaaat 180  
 tcaaatgggtc attacttttc actcggaggt tcgactcaag cgcataatac atcgatacgc 240  
 tctacattga acaattgatg ctcttttagcc aatcaaatgg gcataacttt tccctcggag 300  
 gtctaattca ggcgcatat atatctacac g 331

<210> 7470  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7470

cttaacanaa ggcattcaaa gtgggtggaa tttctagagc atttccctta tgttatcaaa 60  
 cataaaaggg aaaaggtaat attgtagccg atgctcttcc tcggcgatcat gcattgcttt 120  
 ctatgcttga aacaaaattg attgggtcttg aatgtttgaa aagcatgtat gaaaatgatg 180  
 aaacttttgg agaaaatttt aaaaattgtg aaattttttc agaaaatggg ttcttttagac 240  
 atgaaggctt tcttttttaa gaaaacaaat tgtgtgtgcc taaatgttct actagaaatt 300  
 ngcttgtttg tgaagcacat gaaggagggt taatggggca ttttgggtcc aaaagactct 360  
 agaaacatta caagaacnat tttattggcc tcatatgaaa a 401

<210> 7471  
 <211> 451  
 <212> DNA  
 <213> Glycine max



<223> unsure at all n locations  
 <400> 7471

ttgcatcagg atcagtttca gcattctgca tgagatggcg gcttatagcc caaccaacta 60  
 tcttctctgc atctgcaata tagcaaaaat gttatatgag atatttaagc agcaaactct 120  
 taagcacata ctggtagaaa atactagtat gtgctttcga tacaagtcac aagtgttttt 180  
 gagatctttt ctactggaaa tatagagttt ttttcagtag agaagctctt aaaagagctt 240  
 ctagccttgt atccaaacag gctctaagtg tctaactctt aatgcacaag gtctcgagtc 300  
 cttcacactc caccacacaa cggctcanaa cctataaata aaattaaatg aaaacagtta 360  
 agaacatcat cacaacaatt atagtctaca cagctcaaaa tatttaacat ctttaattat 420  
 ttttntcttt agtacaccaa gtcatgaaca t 451

<210> 7472  
 <211> 306  
 <212> DNA  
 <213> Glycine max

<400> 7472

aagtttaaca acctaagtag ttttttatca ttctccatct agctctagta acaaatcatt 60  
 agatttgtgg aagtttatgg gtgcacacag aatatcttac tacttataga tgagaatgaa 120  
 actaaagctc attagtgtct ttttctctca agattttcca agtggttctga aagctatata 180  
 acatagagaa atttacaaca gaagagaact tgacggaggt aaagaatatg caattcaaaa 240  
 gcatcacatg agctcttcaa atcttctcgt atttataggc ttcttcaaca agtaaacgtt 300  
 gtcctt 306

<210> 7473  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7473

catgcaagct tccaacatc cagcaaattt catttatcat cacaagctat cacagccaag 60  
 canaacagag caaagacaga aaactctgcc atacaccacc aaatacagct ttctcactta 120  
 aagaccccag taacaattcc ttcgttcggg ttcattaacc gttggatcga ctcgaaaatt 180

ntactggaag tctctagtagc ataagcctac attttgaccg ttgggatcta ctagcanaca 240  
 tccagaactc attctgtact actctttcca cagccaatca cacaagcatt tttctgcact 300  
 tgtgcaaaat tctgttgac aatntcacag caaaaatctg cacaaagtgc agatttcgaa 360  
 aaccacactt ncnctcatcc aatcttgccc aaatcanatc ctacaagtcc caaatcatgt 420  
 atcaatcatg t 431

<210> 7474  
 <211> 432  
 <212> DNA  
 <213> Glycine max

<400> 7474  
 ctaagcttac cataattgta ttttctttta aagaattcca ccaatttcta aagtgtctat 60  
 attcatatct cacatgtggt ggcttattga acttttctgc aatatttgcc caaccaagct 120  
 taatgaagtg gtcgtgacgt ttatttccag cattcttctt cacctcttct atgcacactt 180  
 tcaacataat ctctgtaaca gccgtaactt ttaataaata aatcagaaac taataaattc 240  
 attaataagt aagtaaaaaa aataattacg tcataaattc gcactatata aaccaaatat 300  
 taacctagag cagctgttag aaaacacatc ttgttccttt cttctttgtc taacgcacaa 360  
 gaaccctaac agaacaatca taggtggagc tttaagagca ccacataccc acaattactt 420  
 acggaaacat tt 432

<210> 7475  
 <211> 357  
 <212> DNA  
 <213> Glycine max

<400> 7475  
 aggcattgcaa gcttagagcc aattcaaagc acattaactc ttttctcgga tgtctgattg 60  
 agacttttta tataacgaga tgctcgaagt taaatgttta agctctgagc caattcaaac 120  
 gacaataact ttttactcgg atgtttgatt gaggcctgtc atatatcgag aactcgaac 180  
 ttgaatgttg aagctctgag ccaattcaaa cgacaataac ttttactcgc gatgtctgat 240  
 tgagtccgc catatatcga gagctcaaa attgaatgtt gaagctctga accaattcat 300  
 acgacaataa ctttttactc ggatgtctga ttgagtctg taatatatcg agacgct 357

<210> 7476  
 <211> 389  
 <212> DNA  
 <213> Glycine max

<400> 7476

tacacattca acttcgagcg tctcgatata ttacgagtct ctatcaaaca tccgagaaaa 60  
 aagttattgt cgtttgaatt tgctcagagg ttcaacatta aatcttgagc gtctcgatat 120  
 atgacgggac tcaatcagac atccgagtag aaagttattg tcgtttgaat tagctcagag 180  
 cttcaacatt caatttcgag cgtctcgata tgtgacggga ctgaatcaga catccgagta 240  
 taaagttatt gtcgtttgaa tttgctcaga acttcaacat tcaatttcga gcgtctcgat 300  
 atatgaccgg actccatctt acatccgagt aaaaagttat ctgccgtttg aattgggtca 360  
 gagcttcaac attcaatttc gagcgtctc 389

<210> 7477  
 <211> 383  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7477

catgcaagct tgttcttagc ttcctgaact ctgaagcatt ttaacacaac caatcttaac 60  
 atcaatctac ctcaaagact aacatgaagt gacaacttgt tgaacataac aataaaatat 120  
 atgaagatgt caatgtaata gtaataggca ccatccatat cctcaaccc tgtatagcaa 180  
 aactagagtg gtattacaca cggaaacaac tcgagtgaac aagaacattt ggatggtaaa 240  
 ttattgggtt attaacaatc agcaatagtg gttatttttc tctactggaa ttngatcaaa 300  
 gcttcctcct tgaatggaac acaggtgaca tgggttgacat ctggttcatt tctactcaga 360  
 ttttttagtat gcctatagct ttt 383

<210> 7478  
 <211> 455  
 <212> DNA  
 <213> Glycine max

<400> 7478

catgttatat cacacatttt atcttactat agcatataac ttttgctaaa gctctattac 60  
aacgtagcgc cagtacttat accctataag cctatgattt ggacagccgt ttttgaaata 120  
tactgcttgt ctgggcccgc ctagtcacta gagttcatag aatctctatt gcaactgaaca 180  
tacttgctag actcctccac tacactgtgg actagatgct atgtggacag acctatcatt 240  
gaaaatagta tgatcgctgc ttgcgctggt gtgtattggg atgactccgc gacacggatg 300  
tatagattct atatatacca tctaattgaa tcagcttaca acatcatcgc cacacttctg 360  
tcctacacgg ctcaactacc taaaactcta attattcttt ctttaccac ctaggccgga 420  
acatcttcat tccaactcag ctcttagtac catcc 455

<210> 7479  
<211> 360  
<212> DNA  
<213> Glycine max

<400> 7479

catgcagcta ttggaaacac tcttgtacaa aactatttta tcaacaaaat gaagattttt 60  
tagatgataa aaaaccagaa gtacctccat tgcacaaaga tagtcatttc cgaacgtgag 120  
gctcatcgag gaccggctgg tcgaagccct atgcatgtgc accaagatga gcaaaatgag 180  
gatgcagaca ttagtggaag agcctttgtg cctcatcgat tactggatgc aagacacgct 240  
cagggaaatc aaggaggcca agctcgccag agacatgccg gatccgttct acaccgacac 300  
cgagatcaga ggctacctct gcgatttctc ttcgtggcga ggacgcatcc actttgcact 360

<210> 7480  
<211> 585  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7480

tccgcctac gctccctctt cttantgtgn cactactttc cttttatctc tcnnnnnnnc 60  
aggcctggca tgaacnttg annngcggaa catgaaacct tgaannncna naacgataaa 120  
nacatttgat accctaggat tccccggtcg togetgagnc ggacatnttn ttatatgtat 180  
cgatcatccac cgattgagca atgagaaaga gagctgtcgt gaatctcttt actgactacc 240  
tggacgaaac ccttacactc gtggcttagc gacggctcat acgtgcttct cgaaaccatt 300

ccttacgata ttccacacat tttgagcctc cagaagcgcc ttcataatga tacctccatt 360  
 gttacaaccg tgctttgcca gcactagcct tagggaagga cgacctcaat tcgtcatact 420  
 tcaacgaaca cgaagctctg accccacttt gtaggaactg aggccatnta tgaacatgaa 480  
 cagtgccac gtaaattcga gacnttgaat agtaacacga tatgaaaggg aattctttat 540  
 gcagcaagaa ctaagcagtt acttcaacta aagggaagat acacg 585

<210> 7481  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7481

gcatgcaagc ttagaggagc actcanaccg gttgtattta cttctcaagg cctagactcc 60  
 aaagagtccg ccaaggtctc tccctcttga ttaggtccaa ccataaaac tttntagcat 120  
 gcagactcta tctatgaatt gtacaaaaca cagactcat caattattct caaaataatt 180  
 ttaactcatc gcacctcana gtgatttaac tcatcgggtt cccatagtag accttatcac 240  
 aatactcgtc gtccttaaag gatcttacag tagtgtgatt gtatgggtca tagctcacia 300  
 ctcaatgcac acaacatctc aatacatctg tgatctcaca atttaacaca tactcaactt 360  
 atcacatata cccaatgaaa ttctattaat ttttaaagaa aactcttctt atttatntga 420  
 tcgaaaatgg g 431

<210> 7482  
 <211> 387  
 <212> DNA  
 <213> Glycine max

<400> 7482

tgagatacta tatgtgaaat gagataattg attatcccat tctataattg attgtcatgt 60  
 ttctaacaat gcataacaaa gaggaatttg aacgaattaa tcgattatcc catttgtcaa 120  
 ttgattaaat ctgttttatc tggttaaaact atgtataccc tcacttgtcc attctcatta 180  
 gtgactcttg atgagatctt atcttttgaa aaatactttc taagagtcac ctaagggaa 240  
 ccctctacgt ttcaataaga gattcataat gatcaagatt cattcattat tcatcatgag 300

ttgagcaagg aaagaaaggc ttgaagatat tatgatctac acattcacgt gcattcaatc 360  
 ttattttgat tctttctagc ttctgac 387

<210> 7483  
 <211> 382  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7483

gtccgctgcc atcttagacg acctgcaggc atgcatttct tccacatcat ccaagcgaaa 60  
 caacattact tctgtcaagc tatcacagcc aagcanaaca gagcnaagca gaaactctgg 120  
 taacacataa ccaaattacg ttttgtactt aagaccgaga acaattatcc tccaatcgat 180  
 accgtggatg acccaaattt acagaagcat agcgcatagc tacattggac cgtgggacac 240  
 tacaccatca gaatatctgt ctacttttca agcaacaacc aatctttctg ccaagtaaag 300  
 ctgtgcccac ttaaagcaaa gtgataggca aatgaaaaca ctctttatca agtggagaac 360  
 cctaaatcaa cctgaaagag tc 382

<210> 7484  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<400> 7484

agcttgtagt tatagtcagt catattcctc cattttaaat gctattatgt acactaatta 60  
 gaattatata taatagaatc ttgattcttg gaaattccat aattttgaat aacctatcaa 120  
 tatttctttt tttttttatc tctatcttct tattacatca tattacatat tataacctata 180  
 tttttctatt ttgtttaaca cgctttctat aagtattaac cagcatgctc tctttaagta 240  
 ttaactagca tttggatgtg cacaaatatt tttcctatac catattaaca cactctacga 300  
 aaaagacaac ggatgactta agtg 324

<210> 7485  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<400> 7485

ggacaagtac ctaagaatat ctgttccatg agattctgaa gttttttcaa ggggtcttctc 60  
 actctaactt aggcgtctaa cttcaccgcc tgttttcaat ttatccttca ggcaaccctc 120  
 gagtttcgta ttatggatag tgattatgtg cttgtaatca ggtgaacaca cctgatatgg 180  
 tttgcgggca catctacatg cactttcatt tccctcatga tgatcac 227

<210> 7486  
 <211> 212  
 <212> DNA  
 <213> Glycine max

<400> 7486

acccgtcaca tgtgttacta ggtgttgatc ggacgatggc gcaaaacaac tatcgacatc 60  
 cacaaatcac gcatgaacgc accatcccta gctgccacc cttactgag ctacgtact 120  
 cccacgttgc cttatcctc attcctttaa caccagagcc gcatcaagct ctgcaagcaa 180  
 tacaacatcc aaacatcatg aactatcaga ac 212

<210> 7487  
 <211> 286  
 <212> DNA  
 <213> Glycine max

<400> 7487

tgtggcaggg cggacttcct tcactttctt gtcttctacg cgagctctga ccaactgttct 60  
 tccttcccg c gatgcttatt tcatgtccgc ctgagtgggc ttatagccta taccatactt 120  
 tccacgattt ccttgtgtat ttatcaagct aaatatgccg ccgctgtttt tcgctaaacc 180  
 catcccggt tcataaccgc tccccaacat aactcgggcc atcattaccg ctgcatcgga 240  
 cagacaaggc tgtccatata tggagttcac ggacgaaatg ctgacc 286

<210> 7488  
 <211> 432  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7488

cttgacgctt gtccttatgg ttattaatgt atgaattggt gcttttgac ctcttccttg 60

ttttgttata tatctgtttg cattcgggat tccaattttc atcaacagtg gttaccctac 120  
 tcctcacgtg aagtggaaact tgtgggttat ccacaagctg ctgcttacc tagtttatgg 180  
 tntcactactg ttcattgtatc attctaggtg gagagaaagg ttacctggtt agtgtcctgg 240  
 attgttatat tattttatct ttaattagtt ttatgatagc atagtttatc ttctctttt 300  
 ngcagcaagg cctgcttact ataagtatgt taccattatg ttcattctga atgcaattgc 360  
 gctgtttgct cgcggcatta ctggaaacgg tgctgctttc ggattctggt tagattcttc 420  
 tattctatat ct 432

<210> 7489  
 <211> 416  
 <212> DNA  
 <213> Glycine max

<400> 7489

cgtaattata agagttcaat ggtcatactc tattagtacc aatttattgt ataataact 60  
 attggattag aaatctatct tttaaagtaa ttacgtttta ttgctaattt ggtccttata 120  
 cttgcacacg atctttacat attagtctct acacctagaa gctacttggt ttcgtccgca 180  
 tgcaacactt ttttaattcat tttagtacat actatcctga acggtaggta ctacaagaga 240  
 ttaaaaagtg tatgtgtaga cactaaaacc aataatttct agcgtaaaac atgaaaattg 300  
 tgtgttataa agatcaaata agttattaaa gcttgctatt atcacagaag ttaacacttt 360  
 taccatatat catgacaatt tatgatcgaa cgacaatata acaaccctta tactat 416

<210> 7490  
 <211> 385  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7490

gcttctaaag atacagattg taganaatag aaactgaaac ctctcccca tgacaattac 60  
 ttctgtttct aaagcaatgc caggaattta gagaanaatg aattggaata cactggcatt 120  
 atatatcaaa cagaaggaga aaaaagatct tanttagcat agatgactca attgtttaca 180  
 tcagcagcca ataggaaaaa caagcgatgt cttggttgct gacaagataa gatgagcatc 240  
 aatcacggta gaaagcaaaa caagcaagca aaagtgcaaa actattatga ctatcctgaa 300



aaaagatgca aaattacccc ctcccccaat ctctttaact atagcagaga ttgaaatagg 360  
 agaaacaatt actaacctct tgtca 385

<210> 7491  
 <211> 442  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7491

nggacagttc tcaccttgca agccagtttc gtgggactga gttatgccct aagcccaaatt 60  
 actaataagt acaactactt catggttacc catccaaaca tcccttttgt agggaagggtg 120  
 ggtagtcaa ctcttgatt ctgcatgtga aagtcattaa gatgttgga tttgtatcct 180  
 aaagtatgtt aaacgagctc ctaaaaaaag cttatgtatg aagatcaggg acgagcatag 240  
 ataataagat actcataaat gccaatcagg catgctctcc tacttacaaa caatcccttt 300  
 tttgggaatt gtgtactcat tangggtaat atgatagcca ggaagaataa gaaacaaaaa 360  
 caaggtcaca agatccagtg caaaagcaga ctggcaaadc atggcttcat ctacttgcta 420  
 gctcattnga atgaaacaac tt 442

<210> 7492  
 <211> 293  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7492

gaattttttc tggctatttt cttgaagttt gncggacctt aataaaggta tattatgtgc 60  
 atgttataaa tgatgcgact tggccttggg tgaactacaa gcattatcga ttaacattag 120  
 ctattacgtt cctcattttt ctataatata cgatgatcag agtttgggtg agaatatgat 180  
 gaactacaag catttaccac ctgctactat ttcatatcag cttcttaaag agctacttca 240  
 tattttttat ttggatattc ttctgtcccc acacctgttg ataaaatgaa att 293

<210> 7493  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7493

atcaataagc ccattntaat ttatgaaaaa caaatatttc attttctatc gtatatatat 60  
 ttataaaaat ctactccgat gatatacataa ttaccagaac catgataatg atgggtgatga 120  
 cgacaacaac aacgacaatc ataattatgg acgacaatag tgatgaagac aacaattata 180  
 acaaggatga caatcatgat ggtgtaatag cgatggcgat cagcataaca gtgacagtga 240  
 ctatccttgt ggtgggtggcg gtgatgat 268

<210> 7494  
 <211> 396  
 <212> DNA  
 <213> Glycine max

<400> 7494

catgcaagct tgaaagtaag ggtgatggct attgttggtg tggattatgc tggggtgtgt 60  
 tagtacttct gttccactaa tttggagtgc ttattgttcc actcaccttt tgtgtatata 120  
 ctataatata ctatatagca cttcagctcc tcttacgcat atctatcggg ttgatttaaa 180  
 gttttaaaca ttattaagtt attaatacaa ctcatagaat gtgccctttt cttcattccc 240  
 acagctaaag tcgtggttga acttgcaaaa tccagactaa tccaagctgc cgcgctatta 300  
 catccatcga ttggctctgt ggatgatatc aatgggatga attctcaata tttatgttat 360  
 ttcctacatt tcatattggg tcacagaata ttactt 396

<210> 7495  
 <211> 450  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7495

tcacacataa tgaattcggg cctatccaac taanataata tatataatac aaataagaaa 60  
 taaaagtcta tgatcagcag ctaactttga tctcactcaa caagacaatt atctctttta 120  
 aaatgtccgt agtattttgt taactgagac tatccaattc aacccaatca aacataattg 180  
 aattgggctg catatcaaga ttaaactcaa gtcaacttga actacttacc ccgataatgg 240  
 ttaacctttt ttcacagctt catttttctc tgctccaaaa gacaacaaat attaaccagc 300



tttttgaat tgtgtactca atacggggaa catgatcgcc acgacaaata taaaccaacc 480  
cacgtccaag atccagtgtc aagcagactg ccaaacatgg tttatcactt gttactcaat 540  
gaaagaacac ctttggacac gtcattcaga agcttgtaaa tgcccg 586

<210> 7498  
<211> 358  
<212> DNA  
<213> Glycine max

<400> 7498

catgcaagct tctcgggtca tactgggaat acctctagtt atcacccgag caacctaagg 60  
caccacacca gaggggaagct ccccaagttc caactccgaa cagactcga ccggccggta 120  
attccaacac gacgaggaac ttccctccga ggccatttcc agaattcacc ccactcccaa 180  
tgacgtacga agatcttctg ccatccctca tcgccaatca tttggccgag gtaactcgaa 240  
ccccctttcc cgaagtggta tgaccctaac gcaacttgca agtaccatgg ggggtgtccac 300  
gggcattccg tcgaaaaatg cttggccttt aatacatggc ccacacttaa tggatgct 358

<210> 7499  
<211> 216  
<212> DNA  
<213> Glycine max

<400> 7499

agcttggttg cataaacttt ggtgacgaaa gactattaaa ttgtaaccga cacgctcgaa 60  
gaggtaccac aatgcgggtgg cataaacgag caccgcaacc gcttccacgc caattattca 120  
caacaccaca ttatattagc aactaagcct ttgccgagaa cacgatgaaa ggatgagata 180  
cttaggttat gccaaagattg tcagaagaat gatgaa 216

<210> 7500  
<211> 380  
<212> DNA  
<213> Glycine max

<400> 7500

tgtctcagt tttatgagc acggagacca acatgctagc tatcatcgct aagtaccaag 60  
aagagttagg tctagccacg acccagcagc atagaatcgc ggacgagtat gctcaagtat 120

acgcggaaaa agaggctaga ggaaggggtga tgcactcttt acaccaagag gcagccatgt 180  
 ggatggatcg gttcgtcttt accttgaacg ggagtcaaga actctcccg c ttgtagcca 240  
 aggccaaggc gatggcagac acctactcct gccccgaaga gattcatggg ctccctcggt 300  
 attgtcagca tatgatagac ttaatggccc acataattag aaatcgtag gaaacttgta 360  
 tggctctctca gaccttgact 380

<210> 7501  
 <211> 382  
 <212> DNA  
 <213> Glycine max

<400> 7501

acactgtgtt catgctctcc caacagcaca tgtataactca cgatcccaat cagacactat 60  
 gctagatggc acaccatgta atccgacaat atcactacta tacacggagg ccaacttctc 120  
 cacggaaaat atgacactaa tgggaataaa gtgagcagac ttggccagcc tgtcaacaat 180  
 aacctatata aatcaaacct tttgggttta ggtaggccta caacaaaatc catacaaata 240  
 ttgcacctct tccactgggg tatctacaag ggttgaactt ccctaaagtc tctggcgttt 300  
 catcttacct ttctgacaga ctaaacaatgc atacataaac tcactaacct ctctcttcat 360  
 gttaagacct tacaacagga tc 382

<210> 7502  
 <211> 384  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7502

ggacaactcc aagaccagat tggacttctt cgggtccact atgtgtcttg caaatgcat 60  
 ccctgcaaac aatagatgaa atcagaaatt agttgagcga tgtgcatact tacctatgtc 120  
 atgatgacgt gaccttgccg aggggaaacg ggcacctgt aggactacag agggccgtaa 180  
 ccagagctgg aaacctatg gccctgttgg acttctccgg gtccactggg tgtctttgtg 240  
 ggtgcatc ctgcaaataa tagatggtat cagaaatcag ttgaaccacc atatgtatac 300  
 ttacctatgt ctgatggca tgacctcact gngggaaacg gcacctgta agattgacag 360

aggcccgtaa ccagagctgg aaac

384

<210> 7503

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7503

agcttctagc caaatggact taccttgaat taattccttt gatatccctt ttgagccttg 60

tttccctttc cttgttntga agctcactac aagccttaag tgaaaaacca tgatattacc 120

atataccttaa ggaattntgg agctttggaa ttgttttggg aataagtgtg gggggttttt 180

gtttcattgg acaacttggt ttgttgacta tgcttcatga tgtattttgn gccatacttg 240

atgtacattg tatanttggt aaatggttga catgctgaat gaaatgttgt ttctcanagg 300

ctagtttaaa caacaataaa aaaaaaaaaat ttcgaaaaaa aaaaaaaatt cgaaaaaaa 360

agcaatagag tgagtga 377

<210> 7504

<211> 358

<212> DNA

<213> Glycine max

<400> 7504

ttaagatgag aagtcacgc ttagcaacac aactcccta taatagctaa gtcaccctt 60

atgccagaat acatgaaaat acaaaaaaaaa agtccctact acaaagacta ctcaagatgt 120

gctggaagac aaggcaaac cgtatactac tagaatggcc aaaatacaac gcccaaaaga 180

aggaaaaacc tattctaata ttacaaaga agagtggacc cacccttggc ccatgggctc 240

agaaatctac cctgagggtc atgagaactc tagggccttt tttagcagct ctagttcaat 300

cctcttgag tcttttatcc aataccctcg cgagtaggat tgcacaggt atattgca 358

<210> 7505

<211> 126

<212> DNA

<213> Glycine max

<400> 7505

atagatgtta tcgactggtg tgagggtgaga gtttgtctca aatttacctc attctaaatg 60

tcactcttta aacctagaaa acccattcga ttgacgggtg tcggacacct atattctgtg 120  
 ttgccg 126

<210> 7506  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<400> 7506

actttcacaa tgaaagatta gccaaaggaa gacaccacaa gggatgatga taaccctaa 60  
 taagtccgaa cgggttcaac cttcgaccta gagaatactc tcacaatata caagtatttg 120  
 tttgaaaatt caagttattt tattccatgg taatttcgtg tacatatagg caaccaacct 180  
 ttaattattc taaatgcatt ttaattcatg aaaagacacc aaggctatcg atcactaata 240  
 taaataaata aaacaaatac aacttta 267

<210> 7507  
 <211> 461  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7507

tgtaggatta tggngtatcc atcacatgtg gtactagggtg gtggtcgggc gagggatgcac 60  
 aacaattctc cacatccaca aatcacgtat aaccaccat cccctgttgc ccacctccaa 120  
 ctgagctcac gtactccac gtagccctta tcccgttcc tctcaacgtc gggccccat 180  
 caatctccc aagcttccac aacatccagg taattccaca tccaatcatc atggactaac 240  
 aaaaccaagc aaaacagagc anaggcagaa aactctgccc aaaacacaaac tcanaatcac 300  
 agcttttcac atacaaatac cctagtaaca tttccttcat tccaattcgc taaccgttgg 360  
 atcgactcga anatgttact ggaagtctct agtacataag tctacattnt gaccgttggg 420  
 atctgctaac aaacatccag aactcattct gtactactct t 461

<210> 7508  
 <211> 337  
 <212> DNA  
 <213> Glycine max

<400> 7508

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cgccctcacac aatgcatggg tgttcctcct acgaccatag caaaccacta atcacactaa 120  
gagtactaaa ctgactaaga cgtgggtctta gaagaatcga tactctcctc ctcaaacata 180  
tactccaact acctagaag tatctggtac tctcgaact cctcggacga catgtctgca 240  
tggtctcctt gatctgttat aacctctatt acgtgcactt gctccatgtt gtatcgacaa 300  
acgttgcccc gcccatcata ctccattgga gtcaata 337

<210> 7509

<211> 302

<212> DNA

<213> Glycine max

<400> 7509

aagctctcta ttgatatcta ttcaaggaag ctacttattc tataaataga agcatgtgta 60  
acactgggtg taactttgac gaatgagagt cttgagagat acaactcaaa ggtcaagata 120  
ctctaccttt ctgcatgctt caatatcgtg cgcccccta actgtttatc tcacgtctct 180  
ttttcctcca ttgagagcac cctgtccaag catcttatcc aaagatcatc ttgggtggtga 240  
agctccttct tctcatggct tattccctaa cggatgggtga catctatcac ctctgtctact 300  
tt 302

<210> 7510

<211> 62

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7510

tatgcttgct tccatactgc atacattcta tntttattgt tcgcatgtga tgatcattca 60  
tg 62

<210> 7511

<211> 544

<212> DNA

<213> Glycine max

<223> unsure at all n locations



<400> 7511

gactctgata ctccttactc aagaagcgca cccttcanca tnttatcaca ntgcgcagct 60  
ttaaactctc ttaatgtgtg tgatttgaca ctccctcggg cagtagtcca ttcctgatgg 120  
catatccacc tcctcggatg aattctgcaa tgcctcctcaa agatgagaca ctagcaagct 180  
ctcttgagac tcgagatgtc cttttgatgc atnttccctt acttgaccac ttttgagcta 240  
gtagataaaa tacttcgatc cttcctctgt gctttgtgaa aatgaaagaa aaaaagagaa 300  
agaatgtttt tcctgtttgtg tagtaattaa tccacctcca tctatcagaa ataaaataaa 360  
atacaaaggg ttgcgataaa gatgagacaa aatttgata gctgcctata agaaatagcc 420  
accctccta ctcaaatgg aaacggtgaa ttatttaatg gatggcgaat ggaagacccc 480  
tcctcacatt ttaatggaga ccctgtgtcc tgttttattt ctctacatc tccctccacc 540  
ttct 544

<210> 7512

<211> 250

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7512

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tgttctgaaa tctgatgggtg agggcaactg gcacatagtt tcttaaactg ctcccagtag 120  
tcatacaggc tctctccact gagttgtcta atacctgaga tatctttcct gatggctgtg 180  
gtcctggaac anggaaaaaa ttttctagaa tactctctta aggtcttcca gctcgtgatg 240  
gccttgagc 250

<210> 7513

<211> 290

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7513

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tcaaaaaata tcttttttagt aaaataaagc ggaaaatcaa tcggacgttt tctctttggg 120

atttctcatt cttaatccaa ttgattaata actaagggtga aactaatgct taaatcaact 180  
 cgcctagtca agctcgtcca caaaaatagg cttttgaagt atgtcatttc atttcctcac 240  
 taagtanaat ggatcattnt aacgtccacc ctttataatg atcactctta 290

<210> 7514  
 <211> 199  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7514

tgatacaatg attaatactt aaatgaaaaa taaacataca actaatgccc caactgtccc 60  
 atgtccatac aaatttaca caagagacac ctataggaga aaagcnaatt acaacctctt 120  
 ccacgtgcct actatggtcg aatgatattg ttatttatcc atcactagca tataaatatt 180  
 ggtaagacta ttcacatcaag 199

<210> 7515  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<400> 7515

caaaatgccc tccttttcgcg atttggagca gaaatgagta ccaaagggtg gagctttggt 60  
 ggggtttcaa tggagaatga gggaggagaa aatggcaacg tgagagagag agagagctgt 120  
 ctgaaaaagt gtgggggctg agtcatgaga gagaaaagct ttttggtttt aaataaaaagg 180  
 ttttcctctt tttttttcta ttatttatcc aagctctgca catgtcccta ttgatt 236

<210> 7516  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<400> 7516

ttcgttaacc ggtggatcga ctcaaaattt actggacgtc tctagtacat aaatatacat 60  
 tttgaccgtt gggatctact agcaaaccac aaaaactcat tctgaattac tctgtccaca 120  
 accagcaaat acatagcatg tttctgcaca aagccaaaat gctgcataag tgcagatttc 180  
 gaatatcaca ctttccttca ttcaatcttg cccaatcaaa tctacgagtc ccaaatatgt 240

ttaatcttgt taaaccaagc

260

<210> 7517

<211> 205

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7517

cttgatggat cattgcatat tgggtggtcta caccattcaa gactttcctt ggtgaattga 60

ttggcattca tgaagaggaa tctatataaa ggaaacaatc acattacatg tgtctggact 120

gatcaaaaga tttatcaaat cagatggata tagcaaaaca gtgatatatg ctgatattat 180

nttagttgat aaatatcaaa tgctt 205

<210> 7518

<211> 211

<212> DNA

<213> Glycine max

<400> 7518

catgtgatgg gtaccccata atcctacaag cttgagatga ggaagtgtag aagggtgaaa 60

cttcttgctt ttattcgta accacaaagt ggtacctgta gatatgtcgc gggggtcagg 120

agaccttggg gacgtcaggt ggggtgctat tgcccataac caagcttgac caatcccgac 180

ccaacccggg catagtcggt ctttgagacc t 211

<210> 7519

<211> 334

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7519

gaatctttct tagatattgg agaaaaaagt ctctntgtaa tctattcctt ccttttgagt 60

aatccctta gcaacaagtc ttgccttgta tctctcaatg ttgcctaag aatcccgttt 120

ggtcttaaat acccatttac atccaatgct ctttgcccca ttangcatct ctacaagggt 180

ccaaaatttg ttactgtaca tggaattcat ctcatccttc atggcatcat accataaatn 240

tgactcttta caactcatgg ctngatcaaa agtntaggat cattttcagt tacaatatat 300

agtcagattc ttacaaatat acaatataat caçt

334

<210> 7520  
<211> 156  
<212> DNA  
<213> Glycine max

<400> 7520

ttgggtggcg ttttgagaa gaggagagtg aacaattgtg tttttctçgt tgaggaacgt 60  
atttataatc tacagatctc gçttagtçat ctcgtçttgc taagcaggag tccacttttc 120  
tcgçtcagcg tgçaaattct cçgtcagtcg aacttc 156

<210> 7521  
<211> 268  
<212> DNA  
<213> Glycine max

<400> 7521

gggçggagta ggtçtçgcc atççççttgg ççttggçtaa caatçgggga agttççtgac 60  
tccççttçaa ggtaagagca aaccçatçca tccacatggg tgççççttgg tgtaagaggt 120  
ççatçaccçt tççtçtagcc tçtttttççg çatataççtg ggçataççca tccçççattc 180  
tatççtççtg gaccçtgççt agaccçaaçt çttççttggta çttggççatg atagçtaaca 240  
tgçttggçtttc tgçtççççat agatçççg 268

<210> 7522  
<211> 216  
<212> DNA  
<213> Glycine max

<400> 7522

çagçtaagçg çgtçççççtç tataççttaag atççatçatt ttagçtaagç tggçççgggç 60  
çagçççtagç gagagçttgaa gçtttttçtaa tçtgçagççtç tçactaagça gacataççtç 120  
çççççtaagç çgagçttççg ttçaaaaaaa aaaattggçt tçagçttçga aacçtççççt 180  
aagçççççgç gçttçactaag çgagçççtagç tgagaa 216

<210> 7523  
<211> 211

<212> DNA  
<213> Glycine max

<400> 7523

aaaatctgaa gatgaaggag gaagagtgtg ttcattgactt ccacatgaac attcttgaga 60  
ttgccaatgc ttgcactgcc ttgggagaga ggataacaga tgataagctg gtgagaaaga 120  
tcctcagatc cttgcctaag agatttgaca tgaaagtcac tgcaatagag gaggcccaag 180  
acatttgcaa catgagagtg gatgaactca t 211

<210> 7524  
<211> 89  
<212> DNA  
<213> Glycine max

<400> 7524

ttcaactact tgataccttt cacgtctatc ccttttaact tctttctggc cttcaacgcc 60  
tatcctttac tcctaccccg acacgttca 89

<210> 7525  
<211> 200  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7525

acatgaaggt aagctgcatg catgtgttca gaggagtgc tttttctatc cgaaccatca 60  
aatcgtaacg tgcattctta attgtccaac ttaatgtctt gaatgcttca taggtgctag 120  
attaggtact cttgtcataa ctgctttaaa tnttgatttg ctggaacttc acaataatct 180  
gttgcatctt tggggaaaga 200

<210> 7526  
<211> 248  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7526

aaagatgaat tcaagattca agagaagaaa tcaagaagac ttcacaaggg aagtattgaa 60  
aagatctttc aaaaaacaaa catagcacag ttttgTTTTT caaaagagtt tttctcaaaa 120

ttttctaagt taccagagtt tttactctct ggtatccgat taccagtggc aaagtttgat 180  
 ttcaaaagtt ntcaactgaa tntgcaacat tccaattgat ttcaaaatgg tgtaatcgat 240  
 tacaagat 248

<210> 7527  
 <211> 156  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7527

tgggtctgta gtcacaaat gactggggat gtttaatttt gggaatgaga gctatgaagg 60  
 aagcattact gcctctaggg aaactgccat gtacatggaa ttcacaaaca aatcttctga 120  
 agtcagctnt cagcatatcc canaattctt taatga 156

<210> 7528  
 <211> 357  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7528

aacaatattt ggggtgttctt atatttaggg atagtctaag ggttgtgcca ggagtggcct 60  
 taagaatatt tgtaaactag aagtggtagg aaagaatact tgttgtaatc aagtttgatt 120  
 agtgaaccc tctactggta ggtaaaggag aactagacgt agcttaggtt gagtgaacca 180  
 gtataaaatg aagtattggt gctgctattc attagcttat taaagtattt cattgtccat 240  
 tactatngca ctttgcacac aagggttttta ctgaaagaca agtntgcacc tcattggaca 300  
 cagtccacct tttgtcactg acgagggttt tataacttgt tattatacat cttcatt 357

<210> 7529  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7529

tcgattacca agtgacaang gtttgaacaa acaatcaaaa agatgtgaac tcttccaatg 60

gttntcagtt ttcttaaagg ttataactct tctaattggct ttcttgacca gacttgaaga 120  
 gtctataaaa gcaagacctt gacttgcatt ttgaaaaaaa ttcattacaa tctttgacaa 180  
 cctttacaaa caactctttc acatacatct ttacaacctt tgaatctctt tgaacttctt 240  
 cttcttcttc ttc 253

<210> 7530  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7530

cagcatgagc tagaaccagg aaatgatcac tcatatgaag ccaccatcgc tggagctggt 60  
 gattgtaaaa aaagaagatt agagacgaga tccaatgagg ttgctcatca tggaccagt 120  
 ccagcgtcag ctgatgcact agttccagga gtggatccat cttcacctca gcacgcagca 180  
 gactcttcca ttctgtttt agagatacat gagggccaga ccataccagt tctgcctttg 240  
 gacactnttc cttcagctac tccagtatga catctaacag atga 284

<210> 7531  
 <211> 197  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7531

ccattcttgc tttccaggaa ttcatagttg gntccatcta ggattgggtg tctgttcact 60  
 ggtctctctt ctttctccat gttcatcaga atttatctcc ctagatctca ctctgtgatt 120  
 tcgagtgttg gctctgatac caattgaaat tctgatacca ggggacagat gtcgtaccgg 180  
 atgtcagcag atcacgc 197

<210> 7532  
 <211> 107  
 <212> DNA  
 <213> Glycine max

<400> 7532

tctactttat catactttac acgcttgcca ttatgacatt ttaagcattg tgaaacgatt 60

taaagtacaa tctctctacg ttggtccaa cttaaaagaa aagaagg

107

<210> 7533  
<211> 490  
<212> DNA  
<213> Glycine max

<400> 7533

tttatgggat cttttatgcg tctgagctca ttgagatctc gtttttgttg gactcaaata 60  
aatgagaggg actcttattt taacattagg tgtaacacaa ctggttttga atgtgggtca 120  
aatcaccttt gctctatagt ggccaaaata ttaggccaaag gtctttggga ggttggttta 180  
tcctacata taagatgttt tacgaatgtg tattacttga ctttaaaatt tgaatatatt 240  
atttctcttc ctgaaaacga cttattctct tagccctcca cctattagta aggtttgtta 300  
cctttatata tcttctttct tataatctct agcttccatt tctagtaatg tcctcattt 360  
tctggatgtt tacatttctt acttttcttt ttgctagttc gttatgctaa ttgacgcact 420  
gtctctggcg cataagcatg tatcgttacc tatctattgt actctatata tctagataac 480  
catttctacc 490

<210> 7534  
<211> 235  
<212> DNA  
<213> Glycine max

<400> 7534

ttatgacaca tacgtatttg cacacataaa aattttgtgt gaaacatttt acaacaccta 60  
ttcatgtaca tatttttttg accaaacctt tcaatgtac attctatata tatacacaca 120  
ttctttggaa ggcttttttt agtacctact cacaaatata catattttga aaacactctt 180  
acgtaccca tccaaacttt gtaaggcact tcacgtata tatattcata tatgc 235

<210> 7535  
<211> 182  
<212> DNA  
<213> Glycine max

<400> 7535

gtggctggac aactaccaag cagaagcgag acttggagga caccaagagg agcaacatag 60



gaatcacaat gcagaaaaag aagagacaga gtagacgata gaggaagata gagacacatc 120  
catccaagat atgatcgaca acctccacaa gaacaagaac ccgcccagca aataaaatgg 180  
gt 182

<210> 7536  
<211> 229  
<212> DNA  
<213> Glycine max

<400> 7536  
cattgtttca gaataccaca taggcctaag gccatcccct acaaccctc aactctaaca 60  
aatcaagcat aaaaaacctc aaaactgccc cacaatatg agcacattct cacaatttag 120  
agcacaaaa gatgaacaaa atgcaccaat ggaaaagcta aaaacttcag gattgaatac 180  
ttacttcgtg gagtgagtag gaatacgaac aatgaaaaca aaatgcgac 229

<210> 7537  
<211> 312  
<212> DNA  
<213> Glycine max

<400> 7537  
atatgcacta atgattgatt gaaatccaat aagactcaat caaagcctaa taccacttta 60  
gtgtaattaa aacccaataa gaccactat atgacttttag tgtaacatat tcatatgcaa 120  
tactgatggc ccaatcaagg ctcaatatca ctttagtgta acatatgcac taatgattca 180  
ttgaaaccca ataaagccca atcaaggact aatatatgac tttaggccaa aaadatacaa 240  
taaccaaagc ttaccattaa ttaaaagtac tagtgctgt cacatttggtg cacatttaaa 300  
cacttgtttt tt 312

<210> 7538  
<211> 181  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7538  
acttttgga ctttatgact tagcctcttt ttcacctgaa attgcacata tttcatcatt 60  
aatccaatg tacatattct agagatagct ttctccataa aacaggaatt atctacacaa 120

ttcactacaa aataaccact aaatggagaa ctatacaagg tntggaaaat gttttctata 180  
c 181

<210> 7539  
<211> 158  
<212> DNA  
<213> Glycine max  
  
<400> 7539

tttaaacatt atggacttgt catggaattt ctacttatcg agagcgaatt aattgtagaa 60  
gacacttact gtctatatca cgtgaattat aatagaaagt tctgcttaca taagttctaa 120  
ccacattcaa agtaaaaaac aatttctatt atagctat 158

<210> 7540  
<211> 302  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7540

tcttttctct taacaccggg tcccatcaa tcttcccaag ctttcccaac atcaaagtaa 60  
aacgacattc aaacagcaca agctattcac agtcaagcaa aacagagcaa aggcagaaaa 120  
ctctgtcata acaccaacca aatcacagct tttctcactt aaagactcca ataacaatgc 180  
cttcgttccg gttcattaac cgttggatcg actcgaaaat ttactggaag ctttagtaca 240  
taagcctaca ttntgaccgt ggggtacta gaaacatcag aactctttaa atactctttc 300  
cc 302

<210> 7541  
<211> 276  
<212> DNA  
<213> Glycine max  
  
<400> 7541

ataaataaga taagggaaga gagaatgcaa acaccaatth atactgggtc agccacttcc 60  
cgtgcctaca tccagtactc aagcaacca cttgagattt ccactatctt tgtaaaatcc 120  
tttaciaagt ctgaaccaca cagggacaac ccgtctcttg tgttcagatg ctttacaaca 180

agagacttac agtctcttaa ccaatctcat tgaataagaa gaatggaaga agaattctct 240  
tcttcagaga agaatattac aatgaagatc atgtaa 276

<210> 7542  
<211> 169  
<212> DNA  
<213> Glycine max

<400> 7542

ccttggaac ttatcaggct agttatgccg ccgttggtct tgcctaaacc catcccgggt 60  
tataaccgtt ctccaacata acccgggcca tctataccgc tgaattcgga cagacaaggc 120  
tgcccaaaga gggagtctca cggggagatg ctgaccacct caaaagact 169

<210> 7543  
<211> 236  
<212> DNA  
<213> Glycine max

<400> 7543

gtggtttgtg tgacatggga atgcttgatg aggctagtaa gtatgtggag gaaatgttgt 60  
ccatagattt ttctcctcat tctgctgttg ttcacgcctt ggtgaagggg ttttgcaatg 120  
ttggtagggg agaggatgct tgtggagtcc tcaccaaggc actagagcat ggggaagctc 180  
ctcaatcgga tacttgatg gccataatgc ctgtaatatg tgaagaggat gatgat 236

<210> 7544  
<211> 362  
<212> DNA  
<213> Glycine max

<400> 7544

atttctggt gcttgatga gcatattcct tatgcgtcat tcataggcat cttctctaata 60  
atataaaaat taaaaattaa aaataaattg gtctatctca taattttgca gacctatgat 120  
gttaaggtaa tgttctcgcg caatgcatta ctgggtggaca ttggttggtga gagtatcggt 180  
cgagtattga aactagattc aattcaagct tggccaacat ggaaaggaat agatgtaatg 240  
atatttgatt cttgcattgg tggatcacac aggaagaaaa caccgtatgt actcattata 300  
actagttcac tttcacatat tccatgcaat cattatacac tttttcatat ttttttttta 360

<210> 7545  
 <211> 327  
 <212> DNA  
 <213> Glycine max

<400> 7545

aaatgaagac cagtaaagta tatagaaaat atgtataaag gaacaaaact agaaattgtg 60  
 aatcaaaata ttgaccacct ccattgctac ttcgtgcatt gataaatatg tatttatgta 120  
 ttagtaaagc atactacatt gatgtagac aacttatcca ttctaattga aaatgttctt 180  
 tcaatttatc tcagcctgat atgccttatt atttaattat aacgaatctg atctcttata 240  
 tatattaaat taaaatatat attgccctct gacaatttta ataacatcta ttaccctcta 300  
 aaaataaaat tccacttgat tattttt 327

<210> 7546  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<400> 7546

aggcaaccat gtggatggat cggtttgctc ttaccttgaa cgggagtcaa aaacttcccc 60  
 gattgttaac caaggccaag gcgatggcag acacctactc cgccccgaa gagattcatg 120  
 ggcttctcgg ctattgtcag catatgatag acttaatggc ccacataatt agaaatcggt 180  
 aggaaacttg tgtggtctct cagaccttga ctagatatga ct 222

<210> 7547  
 <211> 163  
 <212> DNA  
 <213> Glycine max

<400> 7547

aaagacgaac cagaagcttg cggaagaaga agaaacgcct cgcggatgga tgctcaactc 60  
 gcggaagaag ggaagggaat ggcacacaaga agaaaaggct ggggtgcacaa aaatgtttaa 120  
 aaactaaciaa ggggtatttct gccttttccc gtttagtggtt ggg 163

<210> 7548

ctgtgatcgt atccccatat tagctagatc ttgacgggta ttcaagtcac ccttctctct	60
gccttgaatg ttaaggagca tccaatcac actgtcacia acatttgtct ccacatgcgt	120
aacattcatt caatgtctaa cgtctagatt agaccagtct ggaagatcaa agaaaatgga	180
cctctgcttc atatgcaact cttactttta tccttctttg ggtctttcca atacagaatc	240
aagtgttgaa ccgctgat	258

<400> 7549

caaaccttcc tcatatgcaa ggctcatgca actttcattc atccaacttc gatccatcta 60  
aataataact ctgggataact cgcaaaaatta tttgatgcat gaaaatctca ctttttcatt 120  
ataggtgtgg ccctatccca ttcatgaaga cattttttat ggtag 165

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<223>      unsure at all n locations
<400>      7550
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3218

taccattata atattataat catatccaca ttaattctaa tcatatctgt tgtacacatg 540  
 ctataataac gccacaata caacgacatc cgtattatta tacgtttatc agccc 595

<210> 7551  
 <211> 115  
 <212> DNA  
 <213> Glycine max

<400> 7551  
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 gaaagattat ctttcaattt tgattctctt gtcacgggta aatgcacgtc gctga 115

<210> 7552  
 <211> 139  
 <212> DNA  
 <213> Glycine max

<400> 7552  
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 acatatgatt ctccccccc 139

<210> 7553  
 <211> 61  
 <212> DNA  
 <213> Glycine max

<400> 7553  
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 t 61

<210> 7554  
 <211> 220  
 <212> DNA  
 <213> Glycine max

<400> 7554  
 caaagaatca aagtttcaag attcaagttc cgtgaatcaa gatcaagatt caagactcaa 60  
 gattcaagaa tcaagagaag actcaatcaa gataagtatc aaaatgtttt tttcaaaaac 120

taagtagcac atgaatTTTT cacaaaacct tttaccaaag agTTTTtact ctctagtaat 180  
cgattaccag attattataa ttgattacca gtagcaaaat 220

<210> 7555  
<211> 534  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7555

gtcacctatg tgtatagaat ctttccctta aaacgcccta tgttttttat cccctcccc 60  
ttgaaatttc ttcattctaac gagacgactt tgccacactt ttattactta cactcaacaa 120  
gagaaatcga cctattatct ccccaattgg ttgccctcc cactttggga taagtgtgat 180  
gaaagatgag ttgcatccta tngaaaaacc ccatatctat ggaatcattc aaaaatctca 240  
aaccatccct tgtatgtctt ccaaaaggat tttatgaaat aatattatac tattggacct 300  
tgctctttga gctccacact tcccacggct tcttacttct tacaccaact tgactaaaac 360  
ctattttcat gtgaattgat gactgaccca tccaaaccac tatcatattt tatgttcggc 420  
ccatagcaga gcttgaccca atgtcatatc tcaatttctt cagactattg gcctttcgcc 480  
aggctctctt tattcacaaa atttattcta ttttcttca tgggttacag gatg 534

<210> 7556  
<211> 236  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7556

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attcaagcaa agattgaaga agatgaggag gtaactatgg ctcgatttct taatggtttg 120  
actaatgata tccgtgatat tgttgatctg caggagtttg ttgaaatgga ttatntgctt 180  
cacaaagcaa tccaagttga gcaacattaa taaggaagga gtggcttaag agttta 236

<210> 7557  
<211> 465  
<212> DNA  
<213> Glycine max

<400> 7557

ttaaaagata gaataacctg aaattccctt tcaaagaatg ggagaaacgt ttaaatcaga 60  
tgaagaaagg gaagaaagtt cccgctctaa gaaaaccaa aaatttgcg aaagatcttt 120  
ggaccggacc attcctaaca tacaattgg ttccaatgaa caaagaaaga aaggaaccct 180  
gacctaaagt ggcttatcct ttgattccat caaattttgg tgtacgactt ttccccgcct 240  
ttcaaaacag aataggtagg cctcagtaat ttaaagccaa accccttagc caaacctaa 300  
aaaccttcca agatgcttga tctgacctg attttgatga agaaattgaa gcatatacat 360  
tttggtaaat agtaactct gcaaagact ttagatTTTT tttcaccgtg tctatggctt 420  
aacaggatc aactctaggg ggTTTTgaat tttctgagat ttttt 465

<210> 7558

<211> 305

<212> DNA

<213> Glycine max

<400> 7558

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tagatTTTT ttttcttctc ggtccttggt acttttctaa aattctaaaa atcaatactt 120  
caaaccaatt taatataatt atcatagtaa atactaaata accattagat gaagatattc 180  
aatttagtac atatgctgtt caactacatt taaaccata ttggatactt ttattaacct 240  
ttatagtttt ttaaagatac ataatagttt cacattgaac taaaccaagt tgaaatcatt 300  
ttaat 305

<210> 7559

<211> 167

<212> DNA

<213> Glycine max

<400> 7559

accttcttct actttcgtct tcttattgct accattaaca tctcgacata ttgacaatac 60  
attgaaatga tagtttggat ctatgccaga catatcgact aacaaccatg caaatagatt 120  
agcattatca ttcaatactc gaactacaag tgattgctca atttctt 167



<210> 7560  
 <211> 113  
 <212> DNA  
 <213> Glycine max

<400> 7560

gttttagtgc gtgaggggat gaagtaattc aggtttttaa tttatcaaca acataacatc 60  
 agttttttaa aaataaccga tgttgacctt agtagttaac atcggttttc aaa 113

<210> 7561  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<400> 7561

cccattttaa cacttgcttg aagaacaact tacattctag cctatgaaca gcacattaaa 60  
 tatttgtact taccaaaact tgcatttgtg gtagctggaa tatctgtcac catcctgcc 120  
 atgttaaaga gagaagattg attacaaacg aatttatttt aggtagccag tccaaaatat 180  
 ttataaattt gagcacattt atatacttat taggttttagc tctacagctt atataacttt 240  
 aatacaatta catcatattt t 261

<210> 7562  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<400> 7562

tgttctctc tatatacctt tgtaaggctg ttcaacgagc ttgaatgctt tgatttccat 60  
 acagcaagtg atgcagaaat tcatgacctg cagatacaac attgggttgaa attatgacat 120  
 aaaaaacgat gtcaatataa acaagcaaat agacctaatg atccacatac tacattgttt 180  
 agcataatca aatttgtgaa taagcacact ctcaaatac actctttatt tgtagctgaa 240  
 atttatagaa atcacat 257

<210> 7563  
 <211> 206  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 7563

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gtttttctag ttctaagctc atttgtaatc aataaacaag aaattatttc tctctttact 120  
gttctcttcc tactacatct gtaatatggg atcaagaatg taaaatgaga gaagctgang 180  
ggatattgga ctgaanatca tgtgtc 206

<210> 7564

<211> 227

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7564

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tcttctaact tgatagttag caaacatatt catagctaag gtatctcgaa atctttgcc 120  
ttactcagta gcttgaatag ttgtgatatc atctatgaca ttatcttgaa ctcttccct 180  
tgattgatgg actaaactct cattaacaac agataagaat ttaagtc 227

<210> 7565

<211> 191

<212> DNA

<213> Glycine max

<400> 7565

actttttcaa gcttttctt gagcttcaag ctttaacctt aggttggtca ccatgttgtt 60  
catgttggtt cccctatctc taaagatctt cccatctttg gtttgatgat gcaaacaatga 120  
tcctagttta tcttgaaatt tttaacactt agagagatag atatcatcat catggtcata 180  
tatattatat t 191

<210> 7566

<211> 275

<212> DNA

<213> Glycine max

<400> 7566

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attcaagggt ataagtataa gttgcataag aagggttttag cctacgagag gacattaatt 120

accaaactcat tttctttctac tatagggctt attgtcgtag acatttacag catgaataca 180  
 ttgaatactt ttagttggat tattataaca ttttcacttc tatctttaaa ttttatgcaa 240  
 tatataactg gcaatcaata atatatgatg ggtct 275

<210> 7567  
 <211> 224  
 <212> DNA  
 <213> Glycine max

<400> 7567

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 gagtggcgaa agattgactg tactaccttg ctcccaggac cattaccaac tgggatgacc 120  
 ctaagagggt gttcttggag aaattcttcc ctgcatctaa gaccattgtc atcagaaaag 180  
 atatttcaag cctcaggcca gtggagagag cttgtatgag ttct 224

<210> 7568  
 <211> 170  
 <212> DNA  
 <213> Glycine max

<400> 7568

atggcaatga aggggctaca tggctttttt ttaccccact tgcattatat aaattctaga 60  
 gacatatgca ataattgcac attggtgaac acatcatact gcaattcctc aaagctttct 120  
 atatatcatg gcaaaacaaa aacacgcttt ctcagaagct gccagaaaaa 170

<210> 7569  
 <211> 154  
 <212> DNA  
 <213> Glycine max

<400> 7569

acctatttgg tgtatgtatt tgggaaattt cattcataat agttctttgc taaatgcaat 60  
 catgttagat tgtaaagcaa aaggaaagaa aacattatta gaaaaataat aaagtaagct 120  
 aaagacaagt ggatagatcg gattttgaat gaat 154

<210> 7570  
 <211> 331

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7570  
  
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 caagagggtt ggccaaagaa tctaagataa aatgggttac aagagatata ctctctgggt 120  
 atcgattacc agaggatgta attgattacc aatggccaaa atgcttcttg aaatgatttt 180  
 aaaatgtctt gaatactctt gaaacatgta atcgatacac atgtctggat cganaccaca 240  
 gttgaactat ttataaacct attagatatt gaattcaatt taaaatgga tcgttacctc 300  
 gatggtatcg atacagtagt ttgaccgtta t 331

<210> 7571  
 <211> 189  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7571  
  
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 atctcttgat accttgctta gattctagga gagcatatgg ttcaaggcaa aattacccca 120  
 aatttggggg agtggaacta agaggatgac aaagaaaaag gtaaagcact agcatacata 180  
 aaaaataag 189

<210> 7572  
 <211> 276  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7572  
  
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 ttatgccttc tacagggtggc gttaatctcc aaatcaatgg gaatcaaac acctacagta 120  
 gatcttcttt gtatacaaga gaacacaaca ataagtatcc acttcagaag aacatagtat 180  
 atatgataac taagatatga acacaaagaa tcaatgaatt aaagagaaca atataaagca 240  
 atgtctaaaa ctgaactata ctttcttaat ctagtc 276

<210> 7573

<211> 379  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7573

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 gttttaaata tgttacgttc gattatgagt taaacatgtt tttatgttat gttaacctct 120  
 ctnttttcta gtgctggatc tatgagcact ttcctagtgt gcatcagtc gtcacagatg 180  
 atgcatacca ggagacgtcc ccatgtgttt cccggtggct gacgtcnnaa gtccttatga 240  
 agggaaatcac aggagcacca taccgggcac tttgtgatgc tatgaccgtc atagatatgt 300  
 cttggttacc ttacactgac catcgggggg ttagggcctt cgacctgatt tcatcattct 360  
 aaggtcagtt gagatgggt 379

<210> 7574  
 <211> 443  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7574

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 cttcatgggc ttcctgtagg aattatagta taacatcatc tgaaatgtag ctacatatag 120  
 gttcaaaca tgtaactaaa taaattagta gtgagtacat tataattgta ggaaaatggt 180  
 tagtatatag atattatatg taccctaaca gggttttttaa aacctccttg caaactacac 240  
 tcgtggtaga ggtcaagctt tttttgtcct tatcatgtat taaaaccttt aatccattct 300  
 ttgatttgac tctcgatagt gcaacatata attgaccatg actaaacaat ggggtttatg 360  
 caagtaaagt tcaacactat atcatgactg gcctggagac ttattaattg tcattgcata 420  
 agagagcatt attggaaata gtc 443

<210> 7575  
 <211> 476  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7575

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 ttcggtccaa ttcggtttacc gttggatcga ctcgaaaatt ttactggagg tccctagtag 180  
 ataagtgtac antttgaccg ttgggatctg ctagaaaata tccgtaaccg aatatataca 240  
 accctttcca caaccagcca tgcataagca ttttctgcac aagcacaaaa ttctgctgca 300  
 tatttcaaca gcaaaattct gcataatagt gcagattttc gaaatcactc ttgcctcat 360  
 ccaattttgc ccaaattgga tcttacaagt cctaaatcat gtataaatca tatctaaacc 420  
 aaagacaagc ttcagaccat agcaactcat aatctaggaa tttaaaccct tcaatt 476

<210> 7576  
 <211> 441  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7576

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 tctcgacttt cttttgtttt ctctttttct ctctgaagaa gtcgtgcgga caacggcaca 180  
 cactacctac tcacgtctta ccacaatgtg aacgagaaac gcacaaaaat ggtaggtcgt 240  
 aatatggtga cgaaatagat gagagccata acgccgaaca tttctaacag aaacgagcaa 300  
 taatgatagt aatgttaaga accatgatga caaatataa aatagtaatg tcaacaacaa 360  
 catgggcaat aacagacaac gtttatagca aactaatgaa ataaacagat atgtcaaaaa 420  
 atgcggtgac ctgcgcacg t 441

<210> 7577  
 <211> 274  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7577

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 actctccatt gttatcacat attcaccatg agcttccgtt tcttttttat tttttgtaga 120

tatttggtggc agctattaga tcccactccg cttgaaacaa attgaacatg ggaggagtgt 180  
 actcttgaga aagatgtcca atcataggtg aactntgtat gatcattctt ggcaacttct 240  
 tacgcatctc ataatctggc tttaactcac tata 274

<210> 7578  
 <211> 459  
 <212> DNA  
 <213> Glycine max

<400> 7578

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 caagtctcgg gtcgctctgg taagcgaaaa acgggtacgg gttgatcgtg aacggcgatt 120  
 tgttgctctt gagtatcgcc agcagctggt tgagcgtgtc ttgcatcgcc tgggtgaaca 180  
 acccgagcga gggcgggtcc gactgagtca acacgggcat ctgagtgcac tgtggagacc 240  
 ttgatcttgc cgtcgagcga agccgcgcgg agggcatttt ggacatttag catcttcggg 300  
 actagctgcg acttaatacc ctgatcggat aatgtcaaaa tctcttttcc gacgggtgatc 360  
 atagtgatgt tgctcgccag gtagtaaggc aagacgttct cgataaccca ctgtgtggcc 420  
 gctgtgggat cgctgagag actcgctatg tctccgttg 459

<210> 7579  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7579

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 aatgagaaat cccaaagaga aaatgtccgg ttgattttcc gctttatttt actaaaagat 120  
 gttttttttt attattatta tattattttt tacctctttt tttgatttcc aacgtggtta 180  
 cggcacgacc gaacggtcgg aattcatttt aaccgaagtt tacggataat acaattcaaa 240  
 cgatcgggtgg aaatttattt tatttttagg ttaagcgaga aatgacttaa gtaaaatggc 300  
 ttaagcacgt caagaggggg tataaaaagt aaatgaaatg agaataaaaa tacacgaaac 360  
 acaatgtgga ccaccacggg tacatagaat gaatcgaata gcttggttca aggtacttac 420

ccattgaaga tcgaagaacg atgaag

446

<210> 7580  
<211> 465  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7580

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attttatgta ttgtatattt tatcattaat taaaatgaat tattaacaca caaataaaat 180  
aaatttaatt aaaatatata aaaatttcta tattttatat atatttgacc aaaaaatatt 240  
ttaaaagtgt aactataaaa acttatactt aaaaatttac agcaagttac caatcatcaa 300  
ttctaaccat ttatcaatgg ttaataagaa gtttctccat tgatgaagat gttattcatt 360  
tccctatctt agacgtttgc cttttttaca aactttcccc tctgagcagg gagcacaatg 420  
atgtttaatt ntatgaaaaa gatggcagcg gacatgcaat gtgggt 465

<210> 7581  
<211> 337  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7581

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cgtaaggaaa gatgaagtta taaaggaagg tgaatcaata tattttgatg gacatttact 180  
ggaagtagga caacctgaac ggattcatca ctctccagcg aagttaaagtg aacgaggagc 240  
tgacaataat gttgttgaaa ggagacaact aggacatgta caaatggat tctgctaggt 300  
caatccatct ttttgctaaa gggtattcct tgaataa 337

<210> 7582  
<211> 294  
<212> DNA  
<213> Glycine max



<400> 7582

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ttttgctaag ttagcgagtc tcattgtatt caaacttact gtgtaaacac tctttgagtg 180  
attagaatac atccactatc acacatatat tattttgtgaa agctaacaat agcttaatga 240  
caaataatac ttgggtctta atctagaggg gagattaagt atagtgtcag gaat 294

<210> 7583

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7583

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gaaggcccgaa aaggaagaac acgacaaaaa caagttttga ggggctttat agggcagcaa 180  
tagtgagctc aaactctgaa gaggtgaaag gaatcatcat gggtaaagg catgatctgg 240  
aaggacgagc taaaggcttg ccttangtcg aaaagaaatt tgtccaaca gttaaagtga 300  
gactgaaggg aatatgtggg caatcatcga tgagtgccaa gagaagctaa atctagcggc 360  
gactcacgag caaaggctag aagatgagta cgccaagata tcagcagaaa gggaagcaag 420  
ggaaagggtg attgattcat tgcaccaaga ggcaactgtg tggatggacc ga 472

<210> 7584

<211> 145

<212> DNA

<213> Glycine max

<400> 7584

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gaagctcttg agaaatgcaa ctgggt 145

<210> 7585

<211> 492

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7585

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taatggagag gggtaccact actggaaaac ccgaatgcaa atttttattg aggcaataga 120  
tctaaatatac tgggaagcca tagaaatagg gccttatata cccaccacag tagaaagagt 180  
ttcaatagat ggtagttcat caagtgaag cactatata taaaaaccta gagatagatg 240  
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tgccctgtga atggatgaat atttcagggt ttcaaattgt aagagtgtc agaaaatgtg 360  
ggacactctt cgattaacac atgaaggaac tgcagatgtt aaaagatcta cgataaatgc 420  
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<210> 7586  
<211> 421  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7586

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accatattgt caatcaattc catggcttct tcaggggggc ttcaatttat ttttcccctg 180  
cagaagcatc taaaagctgc ttggattgtg gccttaaccc gtcaatgaaa atattgagca 240  
ngattggttc taaaaatcca tgagtaggcg tctntcttag taaccacag aatctttcca 300  
aagcctcact caaggactcg tttggaaatt gataaaagga tgagatggca gcttttcctt 360  
cagcagtctt ggactctang aagtatttct tcaagaattt ttaccactt catcctaagt 420  
c 421

<210> 7587  
<211> 614  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7587

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ccacctacga tctacgatgg gacactaatc atatcacgac atgaataatc atacaagctc 240
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cagccttggt cgag 614

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<210> 7588  
<211> 414  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7588

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caattactgt gtaaatttca tagttgccaa tcattgtctt ctctatatct cttatgaaca 60
acacgagtgc accactttta ctctgatatt agacaaccta taacagagac ggggtgttta 120
tatttctcta tgaatagaga caactattgg acaagtatgg aactggggca acctcaaaga 180
tttcattaat tgcaactttg tcaagatcat cctctccaga gccgtctact cgtagtaa 240
gatntgctgc attatgaatc atcaatgaat tatacgtgcc acaattatag catacaatgt 300
attaatatgc agcttaagaa acaaaagttc aatctaatac agcgaattac cagaacagaa 360
gaaccacgg tcattctcac aaatgccacc aagatcattg ccattctggaa ttga 414

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<210> 7589  
<211> 490  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7589

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agatgaaggc gcaatgtagg cgggtgcggaa ttgaaaactt atgcggagga gataaatgaa 180  
atcacatatt gttctcattg tgacagcaaa acttgctagg ctgttatcta tggcgaggca 240  
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aatgcacaga atctcaaaaa acttggtcca ataaagaagg ttcttatctt gaggatcaaa 360  
tactttnttc tcagacactt taagatcttc tgggaacact gcccaagtag tcaactccagt 420  
ctttagtgat cttccanatg tctttagtcc atctgaactc ttcttcattc ctagcctaaa 480  
tgatttcgat 490

<210> 7590  
<211> 440  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7590

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gattggaagt ctgcattgng ggtattcaga tgggccagtt cgcgatcgag ctttagacat 120  
tcgcggagtc gtagtagaca tattgtgtag aatgaagggt atggaaaagt tgagggattt 180  
gtgcgcgagg gcggtcttgt cactatgaat actgttgcta agacaatgag atggtttggt 240  
tggacacgat agtgggtaga tgctgtgagg atatttgatg acttgcaagc tcttggggtg 300  
gagaaaaaca cgaaatccat gaacttggtg cttgctaccc tgtgcaaaga gaaatttggt 360  
gagcaagcct gcaaaatttt cttggagtgc agcagcatat tgctccaaat gctcacacgt 420  
ttaacatatt cattcgtgga 440

<210> 7591  
<211> 421  
<212> DNA  
<213> Glycine max  
<400> 7591

tctacttatg tggcaaggcg ggcttccttc acttccttgt ctccaacgcg agctattacc 60  
 actgttcttt ctteccacga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120  
 accatacttc ccacagtttc cttgagtatt tatcaggcta gttatgccgc cgttgtctct 180  
 gcctaaaccc accccggggt cataaccgtt cccaacata actcggggcca tcattaccgc 240  
 tgcacgaac agacaaggct gcccaaagag ggagtccacg gaggaatgc tgaccacctc 300  
 aaaagactgg aaagcagttt ctaacgattc ttctacggct tccacataag gcatggagga 360  
 tggccagctt accaagatgt ctctctgcc taacacgatg accaagtgcc tctccactac 420  
 g 421

<210> 7592  
 <211> 421  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7592

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 atgaggagga ggaacgaaca gatttgaggt caaattctct tcagggggag gggatgatgc 180  
 aatcctccct tgtaaggac caatcaccac agccatgagc aagaagctct aagaggatta 240  
 ngctagagct gctgaagggt ctatggttct catgaacctc anggtagatt tctgagccca 300  
 tgggctaagg ttgggtccac ttttctctgt aaatattaga ataagttctt cttcttttaa 360  
 gtttgtatga taccctacaa attaagggtc tcctacctta caagtataag gtacccttag 420  
 t 421

<210> 7593  
 <211> 422  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7593

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ataacttgtc atacggatgt ccgattcagg cacataatat atccagatgc tctaaactga 180  
 acatcgacag ctctcgagaa attacaatgg tcataactat tcacacggaa gtccgattca 240  
 tgcgcataat atatcgagac gctcgaaatt gaacaacgga agctctcgag aaactcatat 300  
 ggtcataact tatcacacgg acgtccgatt caggcgctta atatatcgag acgctcgaaa 360  
 ttgaacaacg tatggtgctg agaaattcaa atggtcataa cttgtcacac ggatgtccga 420  
 tt 422

<210> 7594  
 <211> 491  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7594

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 taataaacia actntaaata tcttaacaaa ataaaccact gatcttttgt tcaaaactgg 120  
 cgggtaaaga tagatggggg ttactccatg agttaacaag atttcacgta ttcaaataag 180  
 tcaacattgt ccaaaacata ctttttgtaa atactattat attagataat ccaatttaga 240  
 tttcctaaat ttgagtcact aaacaggata ttttgaaatt nttatagata gagcgagcta 300  
 ctgctgttta gttaaggcaa aggctaattg tgtatgaatc ggataggatg agttccatat 360  
 aataaataat aaaagagaca ttgttatgtt ttaactataa atgagacant tttttgcttc 420  
 cttttctntt caatcccaat acataacaat tgtaattata cgttaatgct tgcanatgtg 480  
 gagcgagcaa c 491

<210> 7595  
 <211> 503  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7595

tactcagcta gctaacacac ncatctagaa actaacctca cctccttgag aagcttcctt 60  
 gagaagctag agcttagcta cacacacccc tctaataact aagctcacct ccttaggaag 120  
 agaagctaga gcttagctac acacccttat aatagctaag ctcaccccca tgacaaaata 180

catgaaaata caaaaaaatc ctactacaaa gactactcaa aatgccctga aatacaaggc 240  
 taaaacccta tactgttaga atggccaaaa tacaaggccc aaaagaagaa aaaaaaacct 300  
 attctaatat ttacaaagaa gagtggaccc aaccttgacc catgggctca aaaatctacc 360  
 ctaaggttca ttagaaccct aaggccttct ttatcagctc tagcccaatc ctcttgagc 420  
 ctcttgctca tggctctggc aactggctct tttctagga ggatagcatc acattatgac 480  
 aagctcagtc ttaactggtt cac 503

<210> 7596  
 <211> 327  
 <212> DNA  
 <213> Glycine max

<400> 7596

tgatcatcct actaagacga ctgatataac tgtggcacat aaagagggtg aggatgaagg 60  
 agagacccat gctgtgactg tcattcctgt acgaccaagt ttcccaccaa cccaacaata 120  
 tctttactca gccaataaca aaccttctcc ttacccatca ccaggtatt cacaaacgcc 180  
 agtcctaact ctaccacata gtcttgtcta ccgcactttc aatgacgaac accaccttta 240  
 gcacgaacca gaaacaccaa ccaagaagtg aattttgcag cgagaaagcc tgtagaattc 300  
 accccaatt cagtgtccta tgctgac 327

<210> 7597  
 <211> 463  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7597

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 actgnataat tttttctgag tcttttgtgc ccatatcttc acatgagctt aaaaaccccc 120  
 ttgttcactt ctaaacaagc tgcaaaatta atcacaatca caagcaacta tcctaactac 180  
 atgcaagaga tacagaatga aaaagtgaag agggaaagaa aagttggggt gcctcctagt 240  
 aagcgctctt ttaacgtcac tagcttgatg catcatcctg ttatcttgng tccaacaagg 300  
 ttccaacttc cagatccttc ttctctagtc tcttttcttc catcacattc accttcaaac 360

aaaaattntg gttaggcaaa gctntctctt catgaaacat atcaaaaactg attngctggt 420  
 cttctatggc catttgtagg ttctcttttc ccatgtcaac cat 463

<210> 7598  
 <211> 398  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7598

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 agtgaggctc acagaactgc aacaaggatc accgagggtt ntgagggtcaa ttggaaaact 120  
 atgaaggaga agtggatgctg tgaggccgaa gagacgaaca agatttgcca gagggaatta 180  
 catgtgtgtc caaatgaaag aagtcaagt agtaatcatc tcacaaaaag gagcaatatt 240  
 cctatgtgct gattcaaaat agcttcttac cacaagtcaa gaaagctatg ccaataacgg 300  
 tcattatgag cagcatggac attaccctc ttcaagagtn tcatttaatt accctgggta 360  
 ttcactctta tgtataaagt atctattgag tttcacgt 398

<210> 7599  
 <211> 492  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7599

ggcctaatta acctganatt gagaganaat gattattaaa cacacaaaat aaaaatacta 60  
 agtatttatt acctatactt aacaganaat acttataacc ttacaaaata accataaatt 120  
 gggagagttt gatacaattt atataagttt tatacacaaa agttagtcat tttcaccaac 180  
 taacagttgc cccaaattta cagttttgct tgtcctcaag caaaaagaga acaactcact 240  
 tgtcctcaag tgacaatgac atgcagtgat tatgtacgaa ggtgtatgct acaaagtgac 300  
 taattgcatg ataagagaat ggagtaaaat gcctcaaca cttgtctttc acaacagtta 360  
 tctaaagaca agaataaaaat gtaacctgaa cagatagatg aagttaggca taagacagat 420  
 attaatgaaa gtagcttaaa ccacagtctc acagctaattg tttcactcaa gcacaagtgt 480  
 ttaagctatt ca 492



<210> 7600  
 <211> 487  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7600

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 ttctaagaca ggtaagcatc ttaatttgga tgctgtgttt aagcttgata aggttttcag 120  
 tgcaagcaat atcactagct tgggttaatgg aagcttggag agcttgagtt ctccaaagga 180  
 tgagagctac ttcgaaccca tttctgtggt gatgtttcca aaagcaaatt acaaataac 240  
 cttgaattcc acagaagtta ccaatgagtt ctcttctggg agtgatgcta tgaagggtgg 300  
 tttgtcattg agttcattga gtttttggtc tcgtccctc tcaagggtta ttagaaggct 360  
 ccattagag ttctctcctg agtgcaattc ttcaaagaac tgcactcctt ttagtgagaa 420  
 ttctggtcca ctgccatttc tagtgtcttt gaaaggcatt gagtggtcca tttctaacia 480  
 caagcat 487

<210> 7601  
 <211> 432  
 <212> DNA  
 <213> Glycine max

<400> 7601

tatctgatgg caacttggaa gtgtcaactg ctgattctga atcatataca cggaatgttt 60  
 tttctccttt ggatgtgaat gtccatgtta gtgttcgata acaagggttct ggtattgtcc 120  
 agattataga attgtaactt tgtaaccctt tctctccctt tctttttctc cgagggatgg 180  
 aaaaaagag gaccatttga tgtggatgta aattagtttc ctttacgatg ttggaacttg 240  
 gaagagtgat ttaatgagct tctgatttca aatattcatt cttcttccaa tgagtgaat 300  
 attaactata tatacgtgtg tgttaacatg tttatgttac ttgtgatgta ttacgacaaa 360  
 agcaatgaca tgattcattt tgaccactt actgatgagt aaggaatttt gacatacaat 420  
 gaagtggat gt 432

<210> 7602  
 <211> 148

<212> DNA  
<213> Glycine max

<400> 7602

tatgtaagcg acactatgga gtgctccatc ttctcaatga agatctctca agaaagcttc 60  
tcttgaagct aactagtcta ttaatcagaa gcatcgtgtg acacatcggt gtcaatatga 120  
tgaatgatag tcttgtgaga catacttc 148

<210> 7603  
<211> 492  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7603

cactatagat actaagctaa aggaacactc aaatcgggtg tatntactcc caaggcctag 60  
actccgaaga gtccgtagg gcctctcctt cttaattaaa atccaacca gaaaacattt 120  
tagcacacaa actctatcta tgaactgtac aaaacacatg actccttaat tattctaaaa 180  
aaaaattcaa ctcgctcgcg ctaanagtaa ttaaactcgt cgggttccca cagtggatcc 240  
tatcataata ctcgctctcac attaactcat tgtctttaaa gggctttaca gtcattgtgat 300  
tatatagttc attactcaca actcaatgca cacaacattt caatacatgt gtgatctcac 360  
aatttaatac atactcaact tgtcatttac acacaattca tcacacttcc ataatcccaa 420  
gacaacacat tatcacgcct catgcatcat atacatgtca cacaataata atattaatat 480  
gntatattca ta 492

<210> 7604  
<211> 420  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7604

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tgcttgata aatgcaaaan aactatggca aatgaagagg gtgagaatga gggagaaacc 120  
catgctatga ctgccattcc tatacagcta agtttccac caaccaaca atgtcattac 180  
tcagccaata acaaaccttc tccttaccba ccaccagtt atccacaaag gccatcccta 240

aatcaaccat aaagcctgtc tactgcactt ccaatgacga acaccacctt tagcacaaac 300  
 caaaacacca accaagaaat gaattttgca gtgaaaaagc ctgtagaatt caccccaatt 360  
 ccgatactct atgctgactt gctcccatat ctacttgata attcaatggg agccataact 420

<210> 7605  
 <211> 448  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7605

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 acttggaatn tagttgtttt aaaaataaac ataaaagtgg aaccaacgaa attaataagg 120  
 ggcgcttggt ttgaacaaat tacgtctgca tagcgcaatg caatcatgta acattatgaa 180  
 taaggaataa tgaagacaaa atggacattt gggctctaaa cacaacctga caaaagggca 240  
 attgtaatga aacatgaggg aatacaataa tattattgat gcagtcatga tgttggtttg 300  
 gccgaaatn tgtttccatt tgtttgaaaa aactatgaca attgggttgc ttccttaact 360  
 gtgacaaaac attgagttca ataaattaag gtcattagct ggtatagtaa gaagatgggt 420  
 actaaattag ataaggtcat gcacctct 448

<210> 7606  
 <211> 481  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7606

gtgaagctcc tgtttagcta taccgattn tactcaacca ttcgtagttg aatgtgatgc 60  
 tagtgaggtt ggcattgtgg ctgntttgat acaaaacaaa acgcctatag cttatttctc 120  
 ggagaaattg ggaggagcca gattgaacta ttgcacctat gacaaagagt tctatgccat 180  
 tgtaagagct cttgatcatt ggaatcatta tntgcgttct aatcacttta tattgcattc 240  
 agatcatgag tcattgaagt atatcaatgg gcagcagaag ttgagtccaa ggcattgctaa 300  
 atgggttgaa tntcttcaat cttttaattt ctcttcaaaa tacaaggatg gtaagagtaa 360  
 tgtggtggct gatgcacttt caaggaggta tgctttaata tcaattcttg aaactcgttt 420

acttggttat gagactttga tagattatta taaagaagat gttgattctc gtgaaatata 480

c 481

<210> 7607

<211> 321

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7607

cgagcgtctc ggtatattac gagactctat cggatatcgg agttaaagat tattgtgggtt 60

tgcattngct acgagcttct ggtcgcaatt acaggcgtct cgatatatta tgggactcaa 120

tccgacatcc gtgttaaaat gtattgcagt ttgaatttgc aacgagcttt cgttttcaat 180

tacgagcgtc tcgatatatt acgagagtca atcgaacatc gaagttaaaa gtgatcgtgg 240

tctgcatttg ctacgagctt ctgttgtcat ttactggcgt ctcgatatat tatgggactc 300

aatcgaacat ctgagtacaa c 321

<210> 7608

<211> 371

<212> DNA

<213> Glycine max

<400> 7608

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aatggtttca ccatgatgga tgcagaggaa atcaagaata ccaatgggtga ttgtcatttt 120

ctaatttgta tattatattt gttgtcttta ttactcttt ttactatgtt attcttttta 180

gttttatcgt taacaattat ttttgagata agaaggaaag aaaatcatgc ttattcaatt 240

ggaagttgct gaagagaagt acttcacact taattcataa ttttaattttt gttgtaaaac 300

gaattgacca atctgtgtca tattatctat tattagcatt ttaatgtata tgtatgaggt 360

atcttttatt c 371

<210> 7609

<211> 480

<212> DNA

<213> Glycine max

<223> unsure at all n locations  
 <400> 7609

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 gatattgaag gaagataaag ggagagaagt tgaactttga gttgtgtctc aatggactct 120  
 cattcatcaa agttacaaca agtgttacac atgcttctat ttatagactt ggtagcttcc 180  
 ttgagaagct ttctttagaa aacttccttg agaagcttct ttgagaaaac ttccttgaga 240  
 agttagagct tagctacaca caccctctca taactaagct cacctccttg agaagcttgc 300  
 ttaagaagat tcctaaagaa gctagagctt agctacacac acctctctaa tagctaagct 360  
 tacctccttg agatgagaag ctagaactta gctacacacc cncataata actaagctca 420  
 cccctatgcc aacaaaaaaaa catganaata caaaagaagt ccttactaca gagactactc 480

<210> 7610  
 <211> 466  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7610

taccttgtga atganatgat atatcctntg caccatgat taatctaaaa atctgattgc 60  
 ttgagttgaa ccttgagcct atgaaattat atctctacct accttgtctt aagttgtagg 120  
 agagcattat ggttcaaagc aaatttgtct caaatttggg ggagcttatt gggtgacaac 180  
 ttctaattgt aagaagatga caacacacac aataaagtaa aaagctgctg ttaaaaaaaaa 240  
 ctgtaagtat caaaaataaa actgagtggtg tgttggtatc taataaagct aagtgtgaa 300  
 aggcaagtaa ttgaagctgg aaataataat gaaaagagtn tatctatgga tgaatgctct 360  
 cctataactt aagctgtttc atcttagaaa aaccataatt tngttgagcc cgacctcatt 420  
 acaagcttag aaaagtcctt cagattcagt ttgtgtgggt atgact 466

<210> 7611  
 <211> 473  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7611

gcttggaatg atttcatata naagttagtc gtataaagcg actaacagcc aacctactac 60

catccttact caaaaaccaa atgggtcatag taagcccggg aaaggtctat caaccttcat 120  
 ttccctaata gtagaatcct aacgccatat gcacctatca cgggtggcgtc tcgggggcact 180  
 ccatcgagca atttgtagct ttttaagcaca aagtacaaag tttgattgat gcaggatggc 240  
 ttacatttca agaggatagt tcaaagttaa ggactaatcc actttcaa at catggaagct 300  
 cgttgatgaa cgtggtggaa gaatggaaat ctcatgagtt gaaacagata ggggatgtgt 360  
 cgactacaaa atgattcata ttggaggcgt tgcacgaggc tgatgtgatt aaatgtgatg 420  
 gtaataaggg agatcaatgc ttgatgcatt cangggcatt gcttgatgta gaa 473

<210> 7612  
 <211> 392  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7612

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 aaacataatt aatgccaaaa gtatactatc gaaacatgta attgaaaata catgtaatag 120  
 aaattaaaat ccctaaattt cataattagg atttatacat aattgagaga aattaaatca 180  
 tccctagatt taataattag ggttcataca taattggaag aaattaaatc attcttggag 240  
 aatcataaat ttcataacac atgttttgat atcacatgta aaacattaag ggggttctta 300  
 gactatcaat tataggaaac aacatgatct taaaacatat gattctcaca tacaatcaat 360  
 aaacaataga taatggtgca tacctttctt ca 392

<210> 7613  
 <211> 420  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7613

ccccttggtc attactaaac aagctgaaat taatcacaat cactagcaag gtatcctaac 60  
 tacatgcaag agataagaat gaanaatacg aaagggaag aaaagctggg ttgcctccca 120  
 gtaagtgtc ttttaacgtc actagcttga cgcattcata tgttatttag gatcaaacag 180  
 aattcctact tcaaggacct tcttctcagg tctcctttcc tccatcacat gcactgtaag 240

acagatattt tgtctaggtg gatctttgtc ctcatggaac aagtcaaagc tgatattcta 300  
atcttctatg cccatctgta acatcttctt tcccatgttc accacacagc ttgtagtaga 360  
catgaatagg cagcaagaat gagaggaatg tcagcatcct cttctatatc tatgacaatg 420

<210> 7614  
<211> 460  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7614

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attntaaatt ttgaaagaaa atanttgttt cctctttcaa taaatatttt tttaaaagtt 120  
gaattgaatg gagcttttaa gtattgttga tcccaatagc tatggaatta cctgtcgaac 180  
cttggtaaaa gtgaaagata atgctaatta gtgtcttgag ggtattagtt aaagaacttn 240  
aaagtagaaa tattattatt gggagaaaaa aaaatttgtgt tactcattat ctttttacgt 300  
tttctattaa ttatacaata aatatnttct taattaatat cctananaca ttaattagta 360  
tgatcaaaat aaaatacaga ttcataagac catctaatac attgagtaga caaacaaatc 420  
cctaatagna tgttgatagt ctacaaatct caccactgat 460

<210> 7615  
<211> 368  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7615

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ctttcgaggg gcaactccca ccttatgacg actatcccg gcaagacgat gaggaaggag 120  
atacccatct tggccccctg ctccacctca aagatctgtc ccccatgaa ctaccccaac 180  
cgaacataat ctgccatata cgggcctcac ccacacctgt aaaagaatct gttcccttcg 240  
cggaagataa gggaaagatt gaggcgcttg aagagaggtt aagagcagtc gagggccttg 300  
gccattaccc attctcggan ttggcggatn tatgtctcgt gcccaacatc gtcaccttc 360  
ccaagttc 368

<210> 7616  
 <211> 389  
 <212> DNA  
 <213> Glycine max

<400> 7616

ttgtctctta acagggcctc ctcaacatgc ggagccagtc gcatgatgat gatctgctga 60  
 ccaccagcct agtgccctgtt catacccgtc cccgagcatc tgaaaacagg agatggcatt 120  
 tatgcagtga aaatatggcc ttgctaccac ttaccttggg tcatccctgt ctaggatttg 180  
 acgctgtatt gaccacctca cgaaatgac atgtccctgt ctgtcgattc ataaggtaca 240  
 aaatgcatgt gcatgcgtat gcatgggtag tttcaaaggc aataattctt tagcaaaaac 300  
 ccattgtgtt tagttctaaa taagcactta gagcatccct ataggtcgag cgagaaggct 360  
 tgaatcattt aaaaagaata tgcacccct 389

<210> 7617  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7617

tactcagcta nacattcaat ttcgagcgtc tccatatatt acgcgactca atcagacatc 60  
 tgagtaaaaa gttattgtcg nttgaattgg ctgagagggt caacattcaa ttttgagcat 120  
 ctcgatatat tacgggactc aatcagacat ccgagtaaaa agttattgtc gtttgaaatg 180  
 gctcagagct ttaacattca atttcgagcg tctcgatata ttacgggact caatcagaca 240  
 tccgagtaaa aagatattgt cgttngaatt ggctcagagg ttcaacatat aatttgagc 300  
 gtctcgatat attacgggac tcaatcagac atccgagtaa aaagttattg tcgtgtgaat 360  
 tggctcatag gttgaacact tcaattcgag cgtctcgata tattacggga ctcaatcaga 420  
 catccgagta a 431

<210> 7618  
 <211> 457  
 <212> DNA  
 <213> Glycine max



<223> unsure at all n locations  
 <400> 7618

caattatcta atcattccaa tccactcaaa tcatacaatt gcttattcaa atcataactca 60  
 aacactcatt tcatgcaaaa taatccactg catatcattt tcaatcaatt cactgttcaa 120  
 acacactttt ggtacaagaa aacaactcaa agtgctaaaa tttaaataac tgaaatataa 180  
 agcaaactaa aaagcaacta aatcctgata aactaaaatg ttcattgctt tcagaaatta 240  
 aactaaacac aatttaaaca tctgtctcat cctatggctg atgttcatta agatccagt 300  
 ctggagctgc tgatgaatcc tgaataggct gctttggctc cgtgactggg gcagatggct 360  
 ggggtctctc anggataggc acangagatg gctcatggat ctgggttatg gaagtccct 420  
 cctcttgagc aatgttcgca tctgcatcaa aataaaa 547

<210> 7619  
 <211> 544  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7619

cgcacgcgat tgatgcatcg atggaccang gacacatcca nacgccagcc tcatggatcg 60  
 ccataagact tcatntccca atcgaggatc tatgggtcga tgggtctctt tacataacct 120  
 acccaatatt cttaccaat cggcatttgc tggatcaagt ggtctgacag taattcccaa 180  
 cgtggagccc tgctacacct ctattatctg tccctcgctg aactaccct acccatcata 240  
 atctgccatg ttccggcctc actctcacct tgagaagagt ctacttctt atccgaagac 300  
 aatgcgtaga tgcaggctct tgtagagagg ttaagagctc ctctacggcc ttgggcattg 360  
 cagcgtataa gaattggccg ctttatgttt cctgaccac atcgatcatc gttcctacgt 420  
 gcaatcacca tgacttcgac acttcttaag gtatgacatg tccatcaagg cttctttcga 480  
 tgcttagact caacagagga gcgcccttct catggaccct atatttgccc atcatttttc 540  
 cccg 544

<210> 7620  
 <211> 427  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 7620

gctctctctg tcaatgtag gttcatatgc tcaactacac cattgagttg aggtgttcct 60  
ggcatggtcc tctcccttct aatattgtgc tcatagaaaa actttctaaa tctgtctaca 120  
tattcaccac cattgtcagt tctgtgcctt atgatctcca atcctgtctc attttcagcc 180  
atggctttcc atatcttaaa agccacaaat acttctaact tgtatttttag aaagtaaact 240  
cataccttcc tagagtgatc atctataaaa ctcataaagt attgtttgcc accaatggat 300  
gacacatatg ttggtgtaca caaacatcag agtgaacaag ctcaagtntt tccttcttta 360  
gggttctgct atctgtctaa aagctgactc tnttctgatt gccaaatatg cagtcttcac 420  
acatgta 427

<210> 7621  
<211> 467  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7621

tagcttctta tctaaggctc atcttggtgg tgaagctcct tcttccatgg cttattcctt 60  
aatggatggc gcctcctctc acctcttttc ctttgtcttc cgctgcatct ccatgggtgga 120  
aaatcaccat taaaggatcc cattgaagct caaagatcca gcctccatag aagtcccaca 180  
agcaagcttc catcaagaaa taggagaaaa taatggcaca tcacacgctg aatgaattaa 240  
ttcanaaaga agaaacatat agtaagatta atgtacttgt tgcgataaag acttgaccag 300  
atgtgtcggc caagcaagga aggtctaaat tgccctacccc acttatgaaa cctcatgagt 360  
gggtacagga actgaagcat ctgcatctat aacctcctcc acacttacct ttacttggcc 420  
aggcaacaaa ggagtgttat gaacaatagt ggatccctca taaactc 467

<210> 7622  
<211> 410  
<212> DNA  
<213> Glycine max

<400> 7622

cagagcaaag gcagataact cttgccaaac accaaccata atcacagcgt tgtctcactt 60



gctatccttg cctctatcat cctatctagt ctt

333

<210> 7625

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7625

taccttgaat gataattata taccttgcac ctcttttgag ttgaatgata ttgtcaaaag 60

tttcaaccct gaacataaat aattatctcc anatacctcg tntagattct aggagggcat 120

atagtttcag gcaaactctac cccaaatttg ggggagtgga actaattggg atgcanagaa 180

agagatatag catcagcaca cacaacagat aagttgtcat tttcaaaaaa aaagtgtgct 240

gatgtaacaa gggtaaaagc aaatgaaagt gaaaagctag tgagcaagcc aattgtatta 300

aaaagaccat tatgataagt ctaggatttg tgctctctta gaatctaagc ctttgaatcc 360

tagaaaaaca aataaattgt tctagccaag cctcactaca agcct 405

<210> 7626

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7626

ntatagaaac agcggtgagt gctccttgat atataatata gatgggggat tttctgcttc 60

atgatcacct gtaaacaaga aagtttgctt tattattcta tgtaactcat cttatctaaa 120

catttgcctt tcttgttttg atgattgtca tagactcata gtttttgcct ttgatataat 180

tttctgcaat catatccgtt ttaatagttt gagtttttca ataatggata tgcagaatat 240

tttcaaaata agttggtaga cacgatacat ttcatggaaa ttctcagttt gaaagatagt 300

gtggagagag acaccttctt ccgcaagctt ccaaatttag ctgagcaact tcctcgccag 360

atagtgttga agaaggtata tttctgtgga atttctaatt ataaactata gacggatcca 420

cctttgttat ccaanntttt tatgattctt at 452

<210> 7627

<211> 444

<212> DNA  
<213> Glycine max

<400> 7627

aggcattctc aatggtggaa ggacctccga aagctatata agtcgcttga gttcagtcctt 60  
attcatcaac agatggtatg gaaggtaggg ggaggggaaa aaattaaatt ctggaaagat 120  
aaatggttgg gggatgattg taaacttgaa cagcaatata atcagttgtt cctgattagt 180  
ggtcagcata atagtaccat ctccaacatg ggaagcttct ctcaaggcaa ttggtgttgg 240  
ggcatacagt ggagaatgaa tctatctgat tatgagcaac atatagttgc ggcatttatg 300  
gaagcaatta ctgatataca aatccagctt catatgcacg atattataaa gtacatattg 360  
agaagttctg aacttgcata cggattaaag atcaactatg caaagagtag tttcggagca 420  
ataggaaaat ctgatcaatg gtgg 444

<210> 7628  
<211> 468  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7628

ccttcaatta gaattatata atctgcaaata gacatacatt tagggataat cttttgagct 60  
aactntttta atagtaattt tgtgaactta agttataagt tatatatgtc taacaaattt 120  
catttacgtg gataaacttc actatccact tatatgaaaa gagaataggg taaattagaa 180  
ttttgttctt cctaataattt taaattcttt gatttttctg aatttttaatt gtaacatttt 240  
gatecccttag tttgataaat tggtaatttg atcctcctga tagattatta acatataatt 300  
ttgattagtt gagttaatta taaattaatt aaaattatta attattttaaa aattaataaa 360  
atattattaa taatcctaata tctccactac actgtgctcc tcttcttgaa cgcaaataac 420  
tcttccacct tcattgtcac atgcaattac cacattaggg ttaatagt 468

<210> 7629  
<211> 439  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7629

gctagaatac agttacctcg aagaaaaccg cgaagggtcag attggatgct tcgttctcta 60  
 acaaaacctc gagataagct tggaagattc cgctccaatt aaaggggtcc tctcgatgtg 120  
 ggatttcaac agagaattac ggcgggttctg ggcggccacc gatgggtttg ggttggtggag 180  
 aagaagcttg tgatgttggg aaggggtcttg gggaaaagaa agggaaagaa atgggttgctt 240  
 ttccactacc acacganaac aaagctcgca acactcaagt gtttttgctc tcgggaaaag 300  
 gaacatctct cacactccag aagtcataac gcataacaca atggtcagaa tgtggacagt 360  
 tgtcctatga acctcctgaa caaatttcga gatgatccaa cggttaacaa atgaaggagg 420  
 ggcaatttac cgagagagc 439

<210> 7630  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<400> 7630  
 ttttccggcc gtctgaatca acttgggagt ttacttagcg attctagatt catcagctaa 60  
 cctgacctgc cttcagttat gtctcgtggg cgctgagcag gaataatgtc atacacggct 120  
 accataattc aaattacacg agtgcaaagt taggggtctca aaattcacta agtctgccag 180  
 tataattctg atcacacatt tgacatcgcc catatctttg gatattggta aagtattagc 240  
 tcatggacac ttacagagtt ggctaaaaat gtgctattcc acatgtagac tgtgtgtcat 300  
 actacgaact catgcggact agaa 324

<210> 7631  
 <211> 399  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7631

agcttttctgg tcttaacaag actatcgta cgctgccagt cctaagtcga cctaagctag 60  
 gaatgcctct acttctatac ctctcagtag ctaacgaagc cgtcagctaa accctcgtac 120  
 aagatgatgg gaaacactag attcccatct attttaccaa ccgtgtcctt cacgatgtcg 180  
 agaagggata ccaaatgata gaaaaggtag cattagctct tttagcctca gcccgatgcc 240

acaagcaata tgtntagagc caccagggtca ttgatgaaac ggataatctt attagacaag 300  
 tattgagaaa gcttgagcta gctggaataa tggttgcagg atctgtagaa atattagtgt 360  
 atgacctcta atatgagcct cgtggcccca tgaagaccc 399

<210> 7632  
 <211> 378  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7632

tctcccncaa ttntctataa atagggggag aagtgaagtg nantatgggt cagcccccta 60  
 ggcacttctc tctctttcga atttgcttaa gaaaattgtt tccgtgaaga aaatacaagc 120  
 cgaggcgctt ccgtaacgtt tccgtaacgt ttccgtgagt gatttcgcga aagatttcga 180  
 cctttcttcg acgttcttca ttcgttcttc atcgatcttc aggcctcaac gggtaagtac 240  
 ctcaaacc aa gcttttcgat tcattctatg taccctgggt ggtccacatt ttgtttcatg 300  
 tatttttatt ctgcgttcat ttattttgta taccctctt tgacgcgctt aagccattta 360  
 tttaagtcac ttctcgct 378

<210> 7633  
 <211> 465  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7633

tgagctgtgc ataggaggan aatgagagac caaagtgatg gctctagcca tttctacggt 60  
 aaattgggtg ttgagaagtc aacatttgat tcggtagagt tttcttcgta aaaacaatat 120  
 gagcaagttt agattaatgt tatagacttg tttgagatga gagtttgctc caaaattacc 180  
 ccattctcat tttcacttct cacaccttga aaatacacta aaatgagggg gtttagatac 240  
 ctatattttg agttgccttg gtctgaagct cgtctttgggt ttagatatga tttatacatg 300  
 atttangact tgtaggacct aatttgggca aaattggatg aaggcaagag tgatttcgaa 360  
 aatctgcact tttatgcaga catttggtgt tgaaatgtgc agcagaattc tgtgctagt 420  
 caacaaattc ttatgcatgg ctggttgtgg aaagggttgt acata 465

<210> 7634  
 <211> 465  
 <212> DNA  
 <213> Glycine max

<400> 7634

tttgaatgtc aagttcatat tacttcatga gtcaataagt tatttatgaa catataagct 60  
 atcagttcat cgaacgaatt atagtctatc caaacgagaa cttggtgagt tgcattgata 120  
 agtgggtcaa gaaaaaaaaa gttgatcaaa ttcaatttat tcatctaaaa tgagtttgaa 180  
 ccctactgaa agcttgatg tgtatttcct tttatgggac aagtccaaat tagatcatga 240  
 ttagattgag aaaaaaaaaa gtatttaatt gattcatgcc caccatttcc tttggtggat 300  
 ctgggttaat taggttagtc acttactcaa tacagggttag gcattctgctt gtggtacca 360  
 gtgttattgc tgggacaccc agcggatttc aaaattgcc aataaccctt ataaatagca 420  
 tgtctcgctt tcatttctac aatgcctttt attcgtaaatt ctac 465

<210> 7635  
 <211> 386  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7635

ngctctanat tacattgatg tntgtatnta tgggaggagg ttgtacgcca tttttgtttt 60  
 aagagtagtg tccactggt aaaactaact ttccaaattt ttgccttcgc aggaaatggc 120  
 cccgaggaag cttgcctcaa agagggtccag gaaggacaag gcagccgaag gaactagttc 180  
 cgctccggag tatgacagtc accgctttat gagcggttga caccagcagc gcttcgaggc 240  
 catcaagga tggtcgtttc tccgggagcg acgcgtccag ctcanngagc acgagtatac 300  
 tgatttccag gaggaatan ggcgccgagc gtgggcatca ctggttactc ccatggccaa 360  
 gtttgatcca gaaatagtc ttgagt 386

<210> 7636  
 <211> 322  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations



<400> 7636

cgctgcanaa ttcatttctt ggttggtgtt atggtttgtg ctaaagggtg tgttcgtcat 60  
tggaagtgcg gtagacagac tttgtggttg atttaaggat ggcctttgcg gatgaatggg 120  
tggcgggtaa tgataagagc tgatattggc tgagtaatga tattgttggg ctggtgggaa 180  
gtttggccac gtaggaatga caacctcaac atgggttact tcctaattct catcctcttc 240  
attngcccca gttttctcat tcatcaaagc aggatgatca aatntgcctc ttttcagacc 300  
cacttcgatc cttttgtcga tg 322

<210> 7637

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7637

tttttgtatg gtntattatc agagttaaag tgagaattaa ttttagtgtg aatatatgta 60  
gtcttcacat aattgaaaaa aatattgatg tttcaaaaac tcatttattg taatatattt 120  
taaatacaaa atatatcatt tttattcttt taagtgttag aaacactgca ttataattat 180  
taattttatg tttactcatg tttttcatta tattcctcat tgtatttctg gtattattat 240  
gaatgaaatg tcttaagttg tctcctctaa aaaaaaagca aactatccac ctgctgcatg 300  
gctacaacac gattttcaac aattttaatt tcattttgct ttttatttta ttggattttc 360  
tatgttgggg gttttcagag gacaatgagc ccggatcagt gtcccaaaca tttttttacc 420  
tgcttccttc 430

<210> 7638

<211> 314

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7638

actatgatac taagctngaa tgaggaagtg tggaaagggtg agacttccta ctcttattca 60  
ttgaccacag agtggtagct ggagatatgt ctcggggggtc acgagacctt gaggacgtca 120  
tgtgggggtgc tattgcccac aaccaagctt gaccaattcc gacccaaccc gggcgtaatc 180

agtcagtgag aacctgtgat gtacctaaac atgcaagctc ctgtcagtca accgatcaaa 240  
 gaacaaagac cacaaagcaa ggacgcttgt gtggtggctg gccagctgtg aatcttgagt 300  
 gatataacg atat 314

<210> 7639  
 <211> 478  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7639

attatgaaat tgatgagtgt tattacgtct tgactctagt gtgtgattca tgtgtaatgt 60  
 gattggtgat tgaaaaatga attctaaatg ataaagtggg gaagtgatat gcattgtatt 120  
 aagttgagct atcttataaa tatttatata atgtattttg cttatgtctt tgttcactctc 180  
 tattttattt aaaaatatga taactcactc cctatgtggt gtctgtgttt ggatcctgtg 240  
 atgatctcaa accttatgtt tgtgggagca tatgactagg tggatgactt taaataatct 300  
 cgtgctagag gatgctggaa cacaatgctc taataggatg tgacattggg gcatgagttt 360  
 ctgttttaat tgcataatgt ttcanacatg tattctactt tantttattt cgctgcttaa 420  
 cttgagttct tttgtaatct tggacggcct tgtttgagcc ggagatgttt taataagt 478

<210> 7640  
 <211> 486  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7640

tntctagcct ggatgtatag atctagggca cgtagcttgt ctccgtaatt gctataatag 60  
 cactggccaa catcttaaac tacctgtcca cattattgcc ttcactggag aaggtgcaac 120  
 cgagcccacg tccctagaga agagctaaac agcaaccgca gtcatgggaa caaccatcac 180  
 tcttgcatth tacacatacc cgattatgag cgtgctacac cgagcagccg ttcgaagccg 240  
 tactggacag aatgtttgta cgcgagctta catagggact caggcactag aagtggactc 300  
 gttcttccaa atgaatacgg aagcctctgt tggcatcact gagcgctcac atatgctact 360  
 gtcatgcana cacaatcctt gagtatatac tcatgctcgg ctacatatga tggggctgcc 420

gcaatatgaa tcttactatg cgtaaagggt acgtntgacc tatcactttt gccacatcat 480  
 tgatecg 486

<210> 7641  
 <211> 399  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7641

tcaagcttag gactcattct ntaactgcca acagagagag atgcagtttt gctaagccca 60  
 gactagagta tcttggccac atcatttgtg gttttgggggt ggcagcaa ataatccaagg 120  
 tggcagcaat gagttcctgg ccagttccta aagattcgaa gagtttgaac gggttctagt 180  
 acagatgcaa aaaatatata aggtttattc tagaatgaat aaaagagggc ttggatttac 240  
 ttagttgagc cggttggtgg ttaacatttt acgcgaatat tacatgatac aacaatattt 300  
 aacatgcgct atcattaatg tcatatgacg catgcagagt tctgagtgga acaccgagtg 360  
 taacatatata gatgtgggggt atctttaagg ttttaaaaa 399

<210> 7642  
 <211> 441  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7642

tgctatanat aggggaagaa gtgaagaaga taagggttcag ccccttaggc acttctctct 60  
 ctttcgaata tgcttaggaa aattgtttcc gtgaagaaaa tccaagctga ggcgcttccg 120  
 taacgtttcc gtaacatttc catgagaaat tacgcgaaga ttctcgaccg ttcttcaaga 180  
 ttcatcgttc gttcttcggt ttcttcagtc ttcaacgggt aagtacctca aaccaagctt 240  
 ttcaattcat tatatgtacc cgtgggtggc cacattttgt ttcatgtatt ttcatctctg 300  
 ttctcattta ctttttatac ccccttttga cgtgcttaag ccatttattt aagtcatttc 360  
 tcacttaatc taaaaataaa ataaatttcc accgattgggt tgaattgtat catccggtta 420  
 ttccgggtaa aatgaattcc g 441

<210> 7643

<211> 437  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7643

ntagactcat agccatcatt aacaatctca tacatgtgaa ttgtcccgtc ttgacctcca 60  
 gtaaaaagga agtcccctgt atggcttcgt gccaaagcat aagtattacc aacatgagca 120  
 ttatgaacaa tggtcaccaa agtcccacat tctcacaaca gagtcatacc cagaggtaaa 180  
 tatgagcttc gcataagcca atacgaaaac attattaaaa tgtaagtgtg aatttgattg 240  
 cattactgtt ataacttcac ctattttctg ctttcattct tggatcttat aaaattctta 300  
 aatgcgaaac ttaatcataa aatccaataa ctatgagaat attcattaaa gaaagaagat 360  
 atcaatacat gggataagcc aacaaatata atatatatat ataaaccac ccaacacggt 420  
 gaacaagcta taataca 437

<210> 7644  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<400> 7644

ttagagaaaa tagtgcataat gcactgtacg tgtaccgcgt tcttatacaa tccatcaatt 60  
 taaaatcgat atgtatgtta agtTTTTtatt attattatta taacacaact accttaaattg 120  
 tatacataat gtgattttatc tttgatctcg atgcacttaa aaaatgcatt gaaattgaac 180  
 tctaaatttt tattaatatt aaagaatgag ttcgaaacgt attactaata cttgtcttat 240  
 attgtaatat caacatcttg gacggacac 269

<210> 7645  
 <211> 373  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7645

tattaatggc tnggcagcan agtctgatca ttcacccata atcatccacc tgcattgggac 60  
 taatcgtaga agcttcatac gacaatttag atntgagaat tcttggcttc ttgagctaga 120

catggtcaat attgttgatc ttgcatggga accacaacaa acgagtgact ttattcacat 180  
aagatttcaa taccaggacc aaattgatat atgtgagcat gaattggagt agagaaagaa 240  
ttcaaagat gatgttaatg gtgcggccta ttggaaaca aacaacaagt tttgtactct 300  
tattgcgcta gaagaagctt attggagata gaggtccaac gtgttcttgt gacaccctct 360  
acctcgacat aca 373

<210> 7646  
<211> 295  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7646

gagtgaagat gagaagaaga agcttgaata gttgaatgta gaagttgaca acctctgcaa 60  
ggtgatcaag gatgttttgg gtgacaagggt tgagaaagtt gtgggtctctg accgcgttgt 120  
aaattcacca tgctgtcttg tgactggcga ataccgctgg accgcacaca tggaaaggat 180  
aatgaaggcc caagctctaa tggacaacag catggcaggg tacatgtcaa gcangaagac 240  
catggagatc aacctgaga acccaatcat ggaggagctc acgaagcgtg ctgat 295

<210> 7647  
<211> 463  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7647

tctatataag ctgaaccatn ttatcaagta acacaagttg agttttattc agataattag 60  
agtatatctc tttgatctta gtgagagtga ttctcctaaa ttcttgagtg attcaagaac 120  
acctgactg tatcaaagga cattcacaac cgaagtgtgt tgccctcgct ggaaagagtg 180  
attctttcct tcctctcatc ttcacccttg ttctttcaaa ccacaattcc agaacattca 240  
cctctgccca gaattatctc gtggccataa ctcccatttt acgcactcaa cataagtgat 300  
tcttgagcct aaattgaatc tcaaaacgag accttgacac tcgttttggga atgacctcat 360  
ntggagccct gtagcttccg ctcttgccat ttctatatatt ctgtccagcc accacttaac 420  
ctactgtcta ccattccatt catccatttt atgccaagaa cca 463

<210> 7648  
 <211> 549  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7648

cgcacgagga tgattgcnat gcatgtncgt gacgctacac aatacatcag cttagctagt 60  
 cataagggaa ttctgtcact tacatagtgc gcgagcactt gttgagatca aagcaattac 120  
 gagtatatct cagaccaaaa tgaatgtgga ctgagatcgt accttaccat cttgtgttgg 180  
 agatatcgaa actgtatcag acatggatac taaggagcac gagcatacac ctcaagacga 240  
 tcacccgtct ggaagcacca tatatgaaac tgttatgcga tgacgttgct catcatggac 300  
 aaatgccttc gacccatcat acaccatata ctagagtcgg tccatcttga tactagcatg 360  
 tagcacactc tttcattcct ttcttcgaga tgcttgaggg tcgaaactca cgcaattttg 420  
 cttgcgacgc ttctnctact tctactccac catagggctt ggcatatgag aagaagagtg 480  
 tgttatatga caatggcgac caccacaggg aaatgcagca ctgacgacac tttctgctta 540  
 tgatacatt 549

<210> 7649  
 <211> 509  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7649

tactaagctt gaggtangag aagatgagtg gagggagagg gagagaaggt gtgctcatat 60  
 ttatgcctta aatgaggtct gaaattcgaa gtctaatttc tcaaatgatt aaaggtgaaa 120  
 aaatgcacac acaatacctc tatttatagc ctaagtatca cacacaattg gagggaaatt 180  
 tgaatttgta ttcaaatttc actggaattt gaatatgaat tgggtggagcc aaattttcac 240  
 taattatgat tagtgaattg tggttatggt tcaaccact aatccaagat caagttcaag 300  
 attctccact aagtgtgctt aggtgtcacg agacatgtta aacatgaagg acatgcacaa 360  
 agagtgactg tatgatgtga caatgtggtg tatcaagaaa atgctcattt cccccttata 420  
 atgggtccaaa atttaattgg attgcgcttc tcccaattta attaaatnta tcctccaata 480

cacacacatc agatagtgc cttaatgcg

509

<210> 7650  
<211> 478  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7650

tactaagctt agatcatcct tggatatttc attatcagtc aacagactca cctaatagaa 60  
accacgcca attggttaag aatgctttgc tactctcaga anaatcacia taatctaact 120  
gtttttttct tgctggatgc ttgcttttac actaccagtt agagttataa tatagcattg 180  
ttttacttgt ttaaataaac caagttatat ttagtcaact tcacaaaaat atcatgttgg 240  
aagtgcgccc aatgccattt tatcttggat tataaaccg aaaggagaaa acaaaacaaa 300  
caaataattac tatcttgaat tgaatgtaaa ggtttttgtt agaaattaaa aaaagagaag 360  
aaaagtagaa tcaataggag atattcgact ttctccatgt tatggaagcg tgccagaaga 420  
ctatntttat cttctanagc aaccttcaac aaaagataat ctcagttttt agaacatg 478

<210> 7651  
<211> 218  
<212> DNA  
<213> Glycine max

<400> 7651

tgacacactt caaggtaacg ttctcctctg ttctcttgat tacgagcgcc cttcctcta 60  
ctctctctct atgtgctttc gctccattga acctgtatct ctaagcttct tgtccaaggc 120  
actgtatcgg aggagaagct ccttcttcca tgacttattc cctagtggat ggcgccatct 180  
ttcatctctt ctcttttate tcccgtgca tcttcatg 218

<210> 7652  
<211> 417  
<212> DNA  
<213> Glycine max

<400> 7652

atacatagca tgcacgaact atttcagttg agaccaatta tgagtatata gcagctcgat 60  
gagaatgtgg actgacaagg agcccgacct tcttttgtgg gagataatga aagttttaca 120

gccaaggcac ctcaacagca tgagccagaa ccagaaaacg atcactcatc tgaagccacc 180  
 atctctggag ctgtgatcca atgatgctgc tcatcatgga ccaatgccat cgtcagctga 240  
 tgcaccattt ccaagagtgg atccatcttc acctcagcac gtagcagact ctttcattcc 300  
 tgtcttaaag atacatgagg ggccagacca taccaattct tcctttggac acttctccta 360  
 catctactcc agtatggcgt ctaacagatg agaagaatat tatgttatac gacaatc 417

<210> 7653  
 <211> 425  
 <212> DNA  
 <213> Glycine max

<400> 7653  
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 ttttacttgt ttacaaatat atatttgatg ttggcatgca catttattta atgtaattct 120  
 tttgatatgt gtagatagag aaaggtgcat gctacatatt gtttaaaaat tttagaagcc 180  
 cagtaatact gcatgataag gatgcaggtc ttaaaattct aatgaaaggc aatggccta 240  
 tgttcatgat taacatcttg caagcaatgt gagatatgct tatttttcat gttttatgta 300  
 tgcattttta caatttttta tgttggcttc aaatgtagtt gttcacgagt tacaagagca 360  
 acatgggtgct gattctaagt cacttaatgt agtgagatgt acatatatga atcaagatgg 420  
 gatca 425

<210> 7654  
 <211> 464  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7654

nggtgcgtat gatntatatg ctccagcttg aggaggagtg tttaatattc taatatttat 60  
 ctatgttagg tagcttagtt ggtaagtttt attcagaagg cagcactgaa ttgtcaccgc 120  
 caatagcctt ctctctctct tgcgtcttga atatatgtat cattttgaaa tcaataaaag 180  
 ctaagagaga aagagtgaat ttttccctta actcacctca gtcttcaaga agtctatata 240  
 ttcttcattt gttaatatat atacaaatta atactacctc acacattcat tatatttgta 300



ttaattattg aataattctt aaatgaggaa attacattat atatgactaa ctagggaaaa 360  
 ataaaataca aacattcttt tggtttaatt aaagggagaa cagaanaatt ctctttcttt 420  
 ctctctactc ttttaattcaa agtataatat atctttctat tctc 464

<210> 7655  
 <211> 311  
 <212> DNA  
 <213> Glycine max

<400> 7655

ttcgagtgtc tcgatatatt acttgactca atcagacatc cgagttaaaa gttattgtcg 60  
 tttgaaattg ctacgagctt ccgttatcaa ttgcgagcgt ctagatatac taacggacac 120  
 aatcgtacat ccgacaacaa agataatgtc gtttgaattc gtcagagct tgcgttttat 180  
 atttctgagc gtctcgatat actacaggac tcaatcggac atccgagtaa aaagttatta 240  
 tcgttggaa tttctaggag cttctatctt taatttggag cacctcgatg aattgccgga 300  
 ctcaatccga c 311

<210> 7656  
 <211> 308  
 <212> DNA  
 <213> Glycine max

<400> 7656

tctcagcttg tacacacgca catctttttc gtgattattt agtttattac gagtatactt 60  
 gcgcaaaata taacctccga aaagtatgat agaattaaga atattgttta cacaaatagt 120  
 gagatataac cactctatgt cattgtatta atataaaatt gatggacaac cgccaatatt 180  
 gagaactcta tcgaggatat aacattaact acacgtgttc caacataaat agagataccc 240  
 cacgattatc aaatgcaact aataattttg agatatggag cacatacata tgcgttagaa 300  
 atagatcg 308

<210> 7657  
 <211> 350  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7657

gtggtgcatg tgaactcgng cagtaacaat ttgtctggng aaattccaca ctccatggcg 60  
tatctgtctc aacttgagtc tttgctgtta gacgacaacc gcttctcagg atatattcct 120  
tcaacactgc aaaattgctc tacaatgaaa ttcatagaca tgggaaataa ccaactctct 180  
gacacaatac cagattggat gtgggaaatg caatatgata gaaatgtgat tagtgaagag 240  
gggcctatgc caaggggtgtg gagagcttat actacgaaac agacaatagg aatgaaagat 300  
gatgacgtgg ctgtgaacgt atgagagtga ctatatatag ctattgctgg 350

<210> 7658  
<211> 165  
<212> DNA  
<213> Glycine max

<400> 7658

ctgcacgcat gcaagcttga atgcgttttag accgacgtga cttatattct tatggtggta 60  
gctgtgatgg tttcacattg tgggcccagg tgatggctag aaccactgtg ttgctggcgg 120  
aatactatgt cagcactggc agttccatta ttgtcaccca acgca 165

<210> 7659  
<211> 336  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7659

agcttgcctt gccccttgat atattagagg gactcatggt cactatgaat gacaaattcc 60  
ttgggataaa ggtagtgttg ccatgttttc aaagcccgtg ctaaggcata caactcctta 120  
tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180  
tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240  
aaagattttt gaaagtgtgg caacgcaagt atggnggcat tagttagctn ttgcttaaga 300  
acattgaaag cttcttcttg tttctctccc catttg 336

<210> 7660  
<211> 450  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7660

agcttacctt gctcggcggg ctcttgatta ctgattggg tttaacattt caccattact 60  
atggaggaag ttaccaggtt gccaatcagc tggaagagtt caatctgctg cactttctct 120  
tatatgtgat agagaaatgg aaattgatga atttaaaccg aaggagtatt ggactgtgga 180  
ggttcaaagt aaaaagaaag agctgagatc aaacaagaac cttacttttc ctgctcactt 240  
gacccatttt gattcaaaaa agttgaataa gttttcaatt acttctgata ccgaggcaag 300  
agatattcga agcaatataa actcagctga ttttcatgtt gttagcttga aaaanaacaa 360  
aagtcgaaga aatcctccaa caccttatat aacatcgaca cttcagcaag atgctgcaaa 420  
caagttgcat ttcactgcaa gtcacacaat 450

<210> 7661  
<211> 493  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7661

gccatgattg aatcatctga cncggatctt gaagtcgttc tgcagctgcy acttaactgc 60  
cgaggttcaa ccggttattg agctgcccg ggtgttaaat gagatatggc tacgtggagt 120  
acatgagctc acttggagtg gctacatggg atggcggtt tatgcacacc ttgtggatgt 180  
ggaaaacttg ttgtggacca ttctccgacc gtcacttatt tccacatgtt atgggttccc 240  
catcatcctg caagcttgat atgaagaagt gtataacggt gaaactttct gcttttatgt 300  
cgtgaccaca cagagtgacc tgcagatata caacatggcg ttatgagatc ttggtgacac 360  
aatgtgctg ctattggcca taaccaatct tggacaatcg ccactcacgc cggccttaac 420  
agtaattgga acctgtgatt tacctaaaag ccaactcctg gattctccta ttataggaca 480  
ccacaccccc ccg 493

<210> 7662  
<211> 470  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7662

agcttataag gtttgggaaa tcctcacctc atgagctagc ttttaggatt gagttatggt 60  
 taatctaact tcaagatgga atcggagctt accatggata tgatagttag ccatcttcaa 120  
 ctgtccaaag atctacctgg cctcacagct ttcccaatgc aatatattaa aaaagttcta 180  
 caagctccat gccctagatg tccaatccta tgcgtaaggg gagtgtaag atcccatc 240  
 gactataaat atggccaaag tagaacaata atttttacct catgagctag tttttgtgat 300  
 tgagttaggc ccaacccaaa ttcaagatga aataatatgc tntactgaag tgttacctat 360  
 accatgatcc tctttgggtc ttcttgaatt gataaggaac atgaatccct cattgtctag 420  
 ggaaaaagag gggattctga tccacatatn tgacgttcat tgtcctcatg 470

<210> 7663  
 <211> 534  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7663

tggaacatta ttgaaatcga tctcgtaccc cgngatcctg tanaccatac ttgancgcgt 60  
 gcaagcttga attgactgtg gctgcagctg taaactgctt actacttatt gcaaagtact 120  
 agggattttc gtaccgttgg acctgtatca tacttgctgc tattgcatta cctcatatgt 180  
 caaggatgtg cacatttctt gatttgaaca catcatctat aacatttggg ataatatgaa 240  
 ccaggcttcg tgtgaaagcg gcccttttca gtatgagcac aattgccata aagttatgtc 300  
 tactgactta atctcaggcg actactcaa tgggatggat taagtgaac attgatgggt 360  
 caacaaataa gtgtctgggg ccttcagcta gcgggggaat ttttcgtaat tctaggggtg 420  
 ctcttttggg gtggttctaa aactgctaga tacttcacat agcgtctatg cagagtngca 480  
 ggnngatatt tactattgaa aaacacaacg cagaggtccg attaattatt gttt 534

<210> 7664  
 <211> 217  
 <212> DNA  
 <213> Glycine max  
 <400> 7664

agcttatctt atggatgctt gcgatatggc tacttattat aattccaagc aacttctggg 60

cagtggaagt aaccgtgttt gtcaagcaag gcacaacaat ggaaaggaac ctgggccaga 120  
 acttgcataat accaacagcc ctccatgga actttgtgga ggacaccatt ctcatattgtc 180  
 tccccattta cgaacgttac tatgcacat tcatgcg 217

<210> 7665  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7665

agctngtgaa gattgatggg gacccggtgt tgatataaat gaggatatgg gctacgtggg 60  
 agtacgtgag ctcatgtgga ggtgggcaac acgggatggg gggtttatgc gcgcattgtg 120  
 gatgtggaat acttgtgtg caccatcgcc cgaccgccac ctagtaccac atgtgatggg 180  
 taccataa tctacaagc ttgagatgag gaagtgtaga aggggtgaaac ttctgtctt 240  
 tattcgttga ccacagagtgt gtacctggag atatgtcaca gggg 284

<210> 7666  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7666

agcttgtaat ctattacaca catactgtaa tcgattacca taggagttnt tcacaaaaca 60  
 ttctcaacag tcacatcttt atatctgatt cttaagtggc catcaaaggc ttatatatat 120  
 gtgactagag aactaattt tatcataagt ttccagatca aaaagggtcta atcctcttaa 180  
 aaagaaaaat ccttttatcc tcataccaat tccttggcca gaacactggg gactcaataa 240  
 agaattattt gagggtcaa attgttcaat ctatctcttt taacagagat ttcttctttt 300  
 ctctctctca ttctg 315

<210> 7667  
 <211> 387  
 <212> DNA  
 <213> Glycine max

<400> 7667

agcttcggtt	aatccgcaga	cgaaattccg	ttcgcccaac	cgattcctaa	ctttccgggt	60
gttcaggaac	gacgtcgcac	catcccagag	tttgatcaga	tgggtgaggc	tccaccggcg	120
aagcatatac	ccgcgtggct	accggctttg	cccgatcctc	acacgtatat	tcacacaccc	180
gtgtgggatg	aaagaatctc	tgatcctcgc	gaggataaga	ttgaacaagc	gaggcagcgt	240
aggaaaagctg	agaggctcgt	gttgagtttg	cagaaacggg	tgttgctgcg	taatgggtcg	300
gtggaagcaa	gtgcaataac	atcatcttca	ccgaatagtg	ctgctttgga	tcttcaagtg	360
gttggtgagg	atgataaggg	tgttgat				387

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<210>      7668
<211>      302
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      7668
```

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<210>      7669
<211>      384
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      7669
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atttagagca ccaaaatgaa caaaatgcac caacgaaaag caaaaaactc aaggatngaa 360  
tacttacttg ttggagttag taga 384

<210> 7670  
<211> 286  
<212> DNA  
<213> Glycine max

<400> 7670

agcttctttc acatgataat aataccattc cagagtttct atgtgccac taatttaatt 60  
acattgaatt agagcttgaa ttacacaaaa atattacttc aatcagtaca acatccatta 120  
accaaggccc gattttgtag gtgtataaca atgtcaatta tgtacaaaag tcaagtaatt 180  
aaattccctg tacgtaaggg cattcatgag tgacatgagg ctcatattgtg ttgttattgt 240  
ctttgaaaat tattatatct tttgttcatt tgttttcatt atttat 286

<210> 7671  
<211> 411  
<212> DNA  
<213> Glycine max

<400> 7671

tgcacgcatg caagcttata tcaatttcct tgctttcttt tcttctccta caagtgttta 60  
tggaaaagct tctcctaaca gggtcagaag cataaacaac aaccttgaaa caatagtgat 120  
aatcaaatga gagatgatac atagcagaca actcaaaaat agtgagtgcac tgagatatca 180  
tgttgggtga gagcaacttt aattccctta aaataatttt tcagaaaaaa gcaacagttg 240  
catcacaat tgtgaagttg aaggagctga tgtggcaacc aattatatgc aaactgttcc 300  
ttttataaga ttcaggtgct tatcaatgaa aaaggtaata agataaaaca acagcgtgga 360  
agagtgaata tgggtgaaaac acaaaaatag tgtgctagat gtgggataac t 411

<210> 7672  
<211> 385  
<212> DNA  
<213> Glycine max

<400> 7672

agctgtgaaa gatcatgctc atgttgaaca agagactaga gagtgggttc tcatcgatgg 60

actatnttta tcagaacatc actatatgga aactcgctac acctctaata ccttcagaca 120  
ctcctgcctt ttctattgat ctctcatcag accttgatta tcccggatgat aactatttaa 180  
tgaagctaga tgaagatatt gccgaactcc atggggagaa aaagtaaaat ctagagctag 240  
cgacatcatt tgagggggaat ccataaagcc taaagaaagc atcgattcat agggagtttt 300  
atatttaaag ttttaattct ttctttccct gaagcttctt attttgtaat ctaacacata 360  
atcgatgtga caactcttat atgaa 385

<210> 7673  
<211> 399  
<212> DNA  
<213> Glycine max

<400> 7673

gcttgtgtga tagaacaagg agcgcaatga ggtctttggt gcaagagcac cgaactgttt 60  
caactgcctt tggggtgata aagatacgta atgcttctgg tatgttgcca acatacacta 120  
tatttgcttg taaagcatag gaattgtctc atattttaca agataatgaa tctatacgag 180  
ttaatgagag agagcaacta gaaccacggg aatgaaaaaa taaaaaatat aaaaagccac 240  
acaacacaag aataaattct ccccttcgca ggtaaatata taaattatat atagagagag 300  
agaattattg gacatgacag aaaatataac tcaggtaagg atgattatat ttctccttg 360  
aacacacaat attgctattg aacaataact atataactg 399

<210> 7674  
<211> 441  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7674

agcttcctta tgaagatntc ctaaaaagct agagcttagt tacacatacc tctctaattg 60  
ctaagctcac cttcttgaga tgagaagcta gagcttagct acacacctcc tataatagct 120  
aagctgaccc catgaaaata caaaaaaaaaa tccctactac aaagactact taaaatgcct 180  
cgaaatacaa ggctaaaacc ctatactact agaattggcca aaatacaagg cccaaacgaa 240  
ggaaaaacct attctaatat ttacaaagat aagctggctc atacttagcc catggactcg 300  
aaatctaccc taaggctcat gagaacccta gggcattccc ttgaatctct ggcccaattt 360



acttgagtc ttctatccaa tgcccttgcg gggtaggatg gcatacacaag taccctccac 420  
 ttgaactgat ccacaagaga t 441

<210> 7675  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<400> 7675

agcttcaaca tcagaccact tccaggggtgc tggatctact tcacatggat ttgatggggc 60  
 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggtgtg gatgatttct 120  
 ccagatttac ctgggtaaac tgtatcagag agaaatcaga aacctttgaa gtattcaaag 180  
 agttgagtct tagacttcaa agagagaaag actgtgtcat caagagaatc aggagtgc 239

<210> 7676  
 <211> 327  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7676

agcttgccac ccagctcgcc caggcaagct ctgctcgct atgcgagcaa ggtggcttcc 60  
 tccagaagca accgtcttct ggagggccca agtgggcctg gttgctattt gcatcccat 120  
 ttttactaaa tacaccccca actttttttt gtgcttcttt tttcgtaaag ttacggaaac 180  
 ttatgaattt cgtaacgata cttgttttct ttccgtaatg ttacaaaacc ttgcggattt 240  
 cataatcatc cattttntga cttacggaac attatggaat ctcacgaatt gtgcaacgat 300  
 gcttcctttt tgatttctgg tatgtca 327

<210> 7677  
 <211> 331  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7677

agcttaacat gtaaattaat caatcacacc aatctataca aacaagcatt atcatggttg 60  
 aaattcccaa acacaaccaa tttgagttca caagaaaaac cctcgttacc taagctttta 120

agagatccac acccaanaag gaaaagatga agccttagag ggagaatgaa gttcacaagc 180  
tcacaatgtc ggcacnaata atttgggtctc cttcctctct tgtctntgcc anaaaaaaca 240  
aatggagaag ggttgaagca ttttctcttt tttcggataa ggttgggagg ttagagtgag 300  
tgaggaacaa attgagagaa tcgatcgtgg g 331

<210> 7678  
<211> 357  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7678

agctttgagc aaattcaaac gacaataact ntattatcgg atgtccaatt gagtccccta 60  
atatatcaaa ctgctccaaa ttgaaaatgg aagctcgtag caaatttaaa cgagaataac 120  
tttttactca aatgtgcat tgagtcacgt aatatatcga gacgctctaa attgaaaacg 180  
gaagctcata gcaaagttaa accgtaataa cttttaactc ggatgtccga ttgagtcctg 240  
tgatatattg agacgtcaa aattgaaaac agaagctctg cgcaaattct aacaacaata 300  
actttttact cggttgtccg attgagtact ggtatatgtt gagacgctcg aaattga 357

<210> 7679  
<211> 402  
<212> DNA  
<213> Glycine max  
<400> 7679

agcttcatga tcctcagtta tggctgtaag gaatttatct tggcaacaat agatcgtgct 60  
tagccaagga taagttgtcg cttactgatac aggctaaagc ttagccgaat tcatatcgaa 120  
ttgaagttag cttagcttat ccttggccag cttagtggac caaatcagcc tcaaagtcaa 180  
gggttggggg ctaagcgctt gagactctac gcttagcgca tgaccaaaaga tgcgcttagc 240  
acgaagttgg cgcttcgcaa aaggactgtt tttcaataaa tggtatataa gttatTTTTc 300  
agtccttcc tcaacaaatt gaaaccata tatctaacaat tcaaagatag gttgatatac 360  
tcctatgtat agattatgta gcaagttccc aatgatctaa tg 402

<210> 7680

<211> 407  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7680

agctataaac attaaaaaga ggtttacata aattcacaga tattcaaata tgggaataat 60  
 acaggcacia taacctttta attttatacc aaaaggatta cccacccgca taagctgttg 120  
 aacaaaaaga gtaatatcct ttccaacaat atgaatcgat ttgatgctac tccaataac 180  
 atagccatct gtaacaggta caacaggaat cgatttcaa tgtcttcatt taccggctca 240  
 gcctgtgaga ctgttgccat gttcgacgat tccccatgac atatccatn tatgtaagtc 300  
 ggaactatcc catcacagat aagatgagaa tctatgttct ttacttggtg tcgtctccca 360  
 tttgatagct gacacataga caaaatattt cccacagag atagaca 407

<210> 7681  
 <211> 381  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7681

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 tactgtgccg caattcttta caggtattgt gcagccagag gtgtaggcac acaacatcac 120  
 ataccacat tctttaattc agttgatata atggaattta tttcatgggc taccacacga 180  
 ggacccatat gcatatttga caacatatat tgagatatat aatactgtca aaattgtcgg 240  
 tgtgccagaa gacgcgctaa gcttgttttc attttacta tccagtgaag ccaagaaatg 300  
 gctacactca ttcaaggga acagtttgaa gacttngat gaggttggtg aaaaatttct 360  
 gaaaaagtat tttcctgagt c 381

<210> 7682  
 <211> 331  
 <212> DNA  
 <213> Glycine max

<400> 7682

agcttgcttg gtagatagtc aaggcttga cacctactgt gggttggggc ctggtatgct 60

ccctaattggg gggatacggg gtcgtcacac aaatctacat caaatatggt gtcgccttca 120  
 agctttcagc atagcattgt tgttcctact tttaatcttc cttgacaacc atgatatctc 180  
 ccatcaaggt ggggactttc atcttgagat gtatggagat gatgactcct agctcgtttg 240  
 gtgttttctt gccaatcaaa gcaaagtagg aggtatttgc accaacaatt aaatacctaa 300  
 ttgtgaagct ccttgagaga tggccttgat c 331

<210> 7683  
 <211> 524  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7683

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 aaacctatag cataatcact tgcacgcac attaactcaa attcttgccc ctatctggtg 120  
 ttgtaattac tgggtgcaaac actaattntg ttttcaaate attaaatgct ctcatacatt 180  
 cttcattgaa cacaaaagca acatctttat tcaacaaatt gctcaacagt ttggctactt 240  
 tggagaaaac ttttatgaat cgctgtaga accctgcatg tcctaagaaa cttcttattc 300  
 ccttgacatt caggggagga ggtagtttct caattacatt gtccacctct ttccctctta 360  
 cttgaaattt atgccccaac actattcctt cttgaaccat gaaatgacat nttctccaat 420  
 tgagaactag attagaatct tcacatctct gtatactctn tcaagggtga taagcagcct 480  
 tcaaagatgg cccaaaatag agaatcgtca tgaaacctca atgt 524

<210> 7684  
 <211> 375  
 <212> DNA  
 <213> Glycine max

<400> 7684

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 agatcgtcaa atgattcaag atcgagtgat agagttacga gaaattgtgc caaacggagc 120  
 aaaagtattt gcttgtttat tctttcattc ctaatttttt ggtaatttaa atatcttggt 180  
 ctgtcactga gttgtttttt tttctttgat ctctttttat gacttgacag tgtagcatag 240  
 atgcactttt ggaacggacc attaagcata tgcttttctt acaaagtgtg acaaagcatg 300

ctgacaagct gaaacaaaca ggggagtcta atgtatggga cagtatccac tattcactcc 360  
cgtgccttct acctt 375

<210> 7685  
<211> 422  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7685

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acactagctt tgggtgccac aaatcacttt ctgattagaa ccttcttaac atttaaagat 120  
cttaatgcta ttctattttc atgcaattgg gaaccagtcc tttttaggaa ttntaccggc 180  
aacttttttt tttgctcttt tttgggggag ggaaggactt tggtaatcat tgatgcagtt 240  
ccagcacaac aatgatgctt ggttcagcta aaagttcatt gaattttcca gctaggtgtg 300  
agctagtatc agtttatata agaacttgtg tatacatttg gagcatgcc aaaaatggggt 360  
tacttcaatg ctcaagtgcta ctattttaaa gtgcanaccg catcacgtga tgtaatctat 420  
ga 422

<210> 7686  
<211> 336  
<212> DNA  
<213> Glycine max

<400> 7686

aacaacactg tgacaaaaac aactgttaga taatagcatt cagataacgc taagaggtga 60  
tatctaactg atacgaagct ttcaaataat acttatgtaa tcaagtgtta tttggttgtc 120  
atcatcattc aacacttatt tgaacaagag ttttttaaat tttagaagaa aataacatat 180  
ggcattagct acacacagtg gtttatatag tcattacaat tttaggttta gtactcacta 240  
tttcatctag ctatcttgag tcctgtgtt ccctcgacc gataacctgc ccctctaaac 300  
gcctcattca aatgacattt accacttact acacat 336

<210> 7687  
<211> 216  
<212> DNA

<213> Glycine max

<400> 7687

agcttataga ttatataata aaagaacaat gacatttgaa gagtctatac atgtttcctt 60  
tgatgagtct aatgccattc ttccaaggaa ggatttttta gatgatattt cagattcctt 120  
agaagataca catattcatg gaaatgactc ttaagaaaaa gatgaaggaa gcaatgaaga 180  
ttctcaagat aatggagtta gaacaaataa tgaact 216

<210> 7688

<211> 273

<212> DNA

<213> Glycine max

<400> 7688

agcttataga gtatataata aaagaactat gactattgaa gaatctattc atatttcctt 60  
tgatgagtct aatgctattt ctccgagaaa ggatatttta gatgatgttg cagaatcttt 120  
agaacaaatg catattcatg gacaagattc taaaggaaaa gggaaatgaa gcaatgaaga 180  
tcctccagaa gaagccaaat caaatgatga acttccaaaa gaatggaaag cttcaaaata 240  
tcatcccctt gacaacatta ttggtgatat ctc 273

<210> 7689

<211> 362

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7689

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aacggaagct ctcgagaaat tcaaattggtc ataactttta actcggagggt ccgattcatg 120  
cgcataatat atcgagacgc tcgaaattga acaacggaag ctctcgagaa attcaaattgt 180  
tcataacttt tcacacggag gtctgattca ggcgcataat atatcgagac cctcaaaatt 240  
taacaacgga agctctcgag aaataccaat ggtcataact cttcactggg atgtccgatt 300  
caggcgcata atacattgag acgctccaaa ttgaacaacc gaagctctcc acaattcaaa 360  
tg 362

<210> 7690  
 <211> 396  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7690

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agctntataa ctngngtcan agctaccagg aatgagtata ctcccatcaa taaactcaaa 60
tgtgttctta gcacctaaagg cgcgtctcat aaaacgagcc catgcatggt aattagagcc 120
atntagcaca ggagtgactg ttacagacga aggtccatct cctacatgaa cataatacgg 180
gctggaagga tcttgcgatg gatctgcaag accacctcca tgattgttgc cggaaccacc 240
tggaagagcc atcagagtta cgcagatatg gagctagacg ctctgtgata ccatgttaat 300
aaatgaatat aaaagcaagg aaggagacaa tatggagaaa tgcattgaca ctcaattcat 360
ggaattacat caggctgatg cttgttattt atatga 396
  
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<210> 7691  
 <211> 442  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7691

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ggaagggact aaaaattgaa aaatgattaa aatcaattnt agtgctagca aaactaacia 120
atgacttatt tttccattg aaccttcttc atgggatctc caatcacaaa ggtaagggtt 180
acaatcattt gcttgttttt aagtggccta agtctcattc ctctcgatgt ttcaaaaaaa 240
gaatttcttc actagggggtt tcagtcagag gatcggtga attcattatt gatttcacat 300
aaataaaata ctcccatatt ttaagtaatt gctttaccaa aatatctctt cattttttga 360
caatcgcaac gtacatatag aatatgcact ttcctatnaa ggaacacatt tgctaagaaa 420
ttttttacat aatcaatctc at 442
  
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<210> 7692  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 7692

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atgctactct taaaacacaa atggcatata acctccttta ataaacacaa acatcaatgt 120  
aaatttagaa taaactcatg cacatactcc cttacgaacg ttcacttgca caagatattc 180  
tcctaactaa gaaaaatgca cccacgcaca atcaaggcac cttcgtcacc tagattatct 240  
atatgtactt ccgagggtga ttttgtacct acatcacaat gactttcctt gcttaaatta 300  
cacacacgca tactc 315

<210> 7693

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7693

agcttagata tatgtaatga tttaaattatg ataatatctg ataaataaaa tgaatgggtt 60  
taatgttaat ataataatct attttagata aaataaatta ttatattaac atgagaaaac 120  
ataaataaaa ttaaagaaaa aaataaaaaa aatagcaact aaaaaaggga aaaaatcacg 180  
tgtgggttaa atttaacaaa aaacattat gatgggttgt atttcttaat ttaatgaatt 240  
atcttgatc gatttangtt catattactc atatcgatga acactctaca taaaaattca 300  
attcatataa ttaaacttg aaaaataaaa atcatataat tatagtatga tgagagacca 360  
aaaatataat taatcaaaaa taaatataaa gggattacc aatcactctc atgataattc 420  
ttaatata 428

<210> 7694

<211> 469

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7694

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aagagaatcg aactgcact aaactaccat tatccaggcc attggcagca aggacagaag 120  
gaccaagctg aaccaaattc aacagtgaga tgctcataa ttataatgaa acacatatga 180



caaagtttaa aataaattca attaaacaca ttttgagttt ataggaaatt tagtgcattgt 240  
 ttgtgggtag tttctgttca gttcgaacat gatgatgggt ggagacttgc aagctntatt 300  
 tgggtgagtg ttttagttgc ctgatcatga tggacttcta tggttntgta actagtggta 360  
 cgtgatcatt tgtaaattt ttacgcttaa gtaagatata agtaaaaatta cacttgtatg 420  
 tgggtcaatt agtaaaaata tgcttttttag cgtatgtgag tgcatacata 469

<210> 7695  
 <211> 415  
 <212> DNA  
 <213> Glycine max

<400> 7695

agctttatta tgccctctcc cctcggcagg gatttcttct tcggcgaagg cgagatagtt 60  
 gttggcagtg atattattga ccagccctcc gaaaccttct accgagatgt cttgggccac 120  
 atgggcctcg ttcataactt ttactagcag agcccgatga ggctcggagc tcatgagtaa 180  
 ctccaacagc gagaccctgg ccggagtttt gttgagctgt tcgataacct tgaattcgct 240  
 ctgctgaatt atacggagga actcactggc ttctcttagc gacacctcct ttttaccatc 300  
 ctttttctcc ggaagacctt tcgccggaat atctttattc gaagcgtggg gtgcttcacc 360  
 atcttggtcc tccaccactt ttcttttccc cttgatgttc gcggggttga ctggt 415

<210> 7696  
 <211> 472  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7696

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 gccttaagtg aaaaaccatg atatcacctt acccttaagg aattttggaa ttgttttggg 180  
 aataagctgg gaataagtgt ggggggggtat gtttcattga aagatatgat ttttggccat 240  
 gcttaatggt ttattttggc catgcttgat gtatatatat attgccttgg tcttttttta 300  
 atcttcaatt tcgtactgtt caataaaaaa atacataaaa aatgaaaaat aaatgaataa 360  
 ttaaaaaaaa aatttagttc ctgcaaattc tgcaatttcg tacttttttc aaaaataang 420

aagaagaaga agaagacgaa gaagaagaag aaaagaagtg aagttgaata aa

472

<210> 7697  
<211> 363  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7697

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tcaaggatag gcttacgata tatgttcata atgggtggcct ttccacattc ctttagagat 120  
tccagaacaa aatcttctag aatgtcttca aattccttcg ctgttaaggc aacaaatctt 180  
acatcctcaa ctangtttgt tntatgtttt ttagcagata aagcctccac agaaactatg 240  
atgacttggt ctatntttga agcttacttc ctttccaagg tctgatcaag tttttccttc 300  
ttccttgatt tagccaaggg attcttatta gcctttccca aggcaacaac ttctttttta 360  
ctt 363

<210> 7698  
<211> 228  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7698

agctnttcgt cttacagaca gcatanaaga tagtttatac gcataaccac tcgggtatatt 60  
ccgcccgtca gcgtgactca aatgtgagta tgacagatct tgtgatcgcg gaagatgacg 120  
taaattctcg cgtgtcaacg ggcttgtctg ccgcgattga cgaacggcgc agaacacgac 180  
attagtctct gcgtgctatc aggcttttcg tcttacagac agcaaaaa 228

<210> 7699  
<211> 344  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7699

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atagcatgga atcgctctta aagccatata ttctattcca gaagaaagtg acaaagacga 120  
 cttgaatgaa acacaataag atgatgagat ttactttctc gctaagagct tcaataccgt 180  
 tctaaggagt ctaggaaatc aaagaagaac aaacttttat ctcaagaaaa aaggagaaga 240  
 ttcatcttat gttccacagt gctatgaatg taatcaacct atacatctaa gagttgattg 300  
 ccctagcttc aagaaaagaa ttggaaaatt ngacaggata acct 344

<210> 7700  
 <211> 298  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7700

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 attacctgtt gggtttcgat gctccattnt aaagaacgaa caacacacgg ttgttgctg 120  
 tatgtggcgt ttttagggga acaaattatc ttctactaat ctttcagtga gggaagcaac 180  
 tagcatttgg ctatatagct cataacaaga taacatgaaa gaaaaagcaa tacatttggg 240  
 tagccttcat atgcttaatt aataataata cccaatctat acttatatac ataataa 298

<210> 7701  
 <211> 505  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7701

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 aatcacctgc ggcattgcaag cttgatcttt ctttaagttc catcctatat tcgttatgca 120  
 ttctatttct caacactatt attgtaaatt aatattctca aacatcatca tcttatttat 180  
 tgaataaggc atgcataagc taaccgaatg gaaaactcag ctatattggc acctctcatc 240  
 ctaaccgggc ttaactacac aaccaaatat gaatcactca gagacaaata ccacatcgaa 300  
 tgaatcagag gtctaataac cattcaagaa acttataatt atgaagacct aatctatttc 360  
 tataaaacta ttcccacttt ccatccaaaa gaggtagaga tcttatcctt catngaccca 420  
 caactgtaat aatagattaa taaggaaatct tacattaata atctatatct gtcataataa 480

gctctaattgc acataataat atgan

505

<210> 7702  
<211> 278  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7702

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ggacatgact ttcagacgat ggggcagaac attgacattg ttcgcatacg ctcgacatat 120  
atggcattta cttacatggg tgcagcaatc gctttccata acgagccaag aataacctgc 180  
tctaaggatc ttcttgcca tagcatgcc attggcatgt gtgccaaatg aacccccgtg 240  
gacttactca atcatgtagg tcggctctat ggcattca 278

<210> 7703  
<211> 361  
<212> DNA  
<213> Glycine max  
  
<400> 7703

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tagacttact taaactaagc ttcattccta gatccctctt gttggacaac tgctgtgctt 120  
agcacactga tcaatttggc tctgtccagg gtcacatcaa atgtgtggga ggtgggaatg 180  
aggttagaaa aggaaagaat gctccatgtc tgagctagag tagtcatgtt ctctctcaaa 240  
atcttcaaag gcttccatt agcattaagc ccgaatcccc tccctgggat acaaagctta 300  
gcagccaact cctgaggatc gggcctcacg agtgcaaadc tggaatatgt acacaagttc 360  
t 361

<210> 7704  
<211> 389  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7704

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 tgaagaaatt tgcgaaatga acctggtgct tgtccatcct ctgtgtatct accatagtat 180  
 tccccacctc tatctgatct caogatctta atttgttttc cacattgttt ctcaacttca 240  
 gccttaaaaa ctttaaaggc atctaaagct tcattcttag aatgaagtaa gtagagatac 300  
 atatatcgtg aataatcatt tataaagctt atgaagtatt tctgactatt tgcgtccatg 360  
 tctagacaac atatgtctgt atgtatgat 389

<210> 7705  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7705

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 aagaaatcgt tgaacgtcat ttctcgaaac caccaactcc ttaatatata ataattataa 180  
 catataccat tagccattat tttttaatgt caaagaaant tttcgtataa atatgccttg 240  
 atgtgtcaat tacttggaag aagaaaagat ctgcataaaa ggaattactt tctgcaattc 300  
 aaaaagcttg cagtaactta ttgaatccaa tcataatatg cttcctatat atcaccatat 360  
 canactttta aaaaacagtt cataacatgc ttttttaaat ttggaaacta ttcttttatc 420  
 atgacacatc cttgacat 438

<210> 7706  
 <211> 439  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7706

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 tttctctttc tttgccttgg tcttggtgag agaggatcat tgccttattg acttcatgtg 180  
 tttgatcctt tgttcaccta ttaatggagg ttgaggatga aaggtgacaa tgattanggc 240



gagaanataa tggcacatca caacgtcggg ccaaactgaa actgggaata aaatcactta 420  
tagtggataa aaactcaca 439

<210> 7709  
<211> 416  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7709

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attgattgtc tcactttgac aagtaaaaag cctgnggcaa atggagagaa tgagaaggag 120  
gaaggaaccc atgttctggc tgccattcct acatggccaa atttcccacc tgcttaacaa 180  
tgtcattact caccgatat cagctctcct cgttaccac caccaatcg tccacaaagg 240  
ccatcaataa atcagccaca aagcctgct tccgcacaac caattccaaa caccaccttt 300  
agcaciaaac anaacaccaa ccaaggaagg aattttgcag cananaagct tgtagaattc 360  
acccaattc cagtgccta tgctaacttg ctcccatatc tactcgataa ttcaat 416

<210> 7710  
<211> 391  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7710

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taatctgagg cttgcacatc atgtcatggt gacatgagaa gcatatataa ttgaacaaga 120  
aggaacataa attgtgttta ttttattgaa tacataccaa gaataccagt ataatatgaa 180  
agcggaacat cggtgtgctc aatgttgaaa agtatttgag ttggggacac caagctgaat 240  
tcttcccatt ntgtagatcc ccacactaaa gcacctttct tgaatctggg tgccagattt 300  
aggactatta cactccatac cctgtaatgg ctgatgtaca caacggtaga gttagaccag 360  
ccaaatttat gatcccaaga gtatntcaaa c 391

<210> 7711  
<211> 415  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7711

agctagagta tcattccaaa tgtatggctt caattacctg ctaaaggcaa caggcacaat 60  
tccagctcta tattcagcaa ttgcaagaa ggcaggttca gccatatcaa agtgttgcag 120  
aggaggggtg caccaacccc cattgttggtt aggcaaagaa cggtttgggg ggcagaagtt 180  
agtggcagtt acagtaatgg agccagggtt gcaccatctt gggcatcat cacatctcat 240  
ttcatagcaa gatccacagc ttaagccatt gttgaacaaa gcagtgttca tagccacagt 300  
gtcagttcca tagccctggc tatacaaatt tccataccca catgctccac ctgcatgtat 360  
anaatacana gcataaacat acaactcatc acttaacttt cataaacaca ctcta 415

<210> 7712

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7712

agcttatect tatggcttgc ctccggactt cactccctgt gccactctgg aagatttaag 60  
ccaagcccct actttcgagg ggcaactccc cccttatgac gactatcccg ggcaagacga 120  
tgaggaagga gatacccatc ttggccgcct gctccacctc aaagatccgt ccccatatga 180  
actaccccaa ccgaacatag tccgcatat cccggcctca ccctcacccg taaaagaatt 240  
tgttcccttc gcggaagata agggaaagat tgaggcgctc gaagagaggt taagagcagt 300  
cgagggcctt ggcaattacc cattctcgga cttagcagat ntatgtctcg tgcccaatat 360  
cgt 363

<210> 7713

<211> 265

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7713

agcttgagct cactgttcct gcccacaaa gcttcatgan aattgttacg gccatgctct 60  
tccttgcgag ccctcttggt ctcttggtcc aaagccttgg tggtaactat atttatacct 120



cttagttnngg cattctcctt tcggatctta aaagctgctg atttgaacct ttctttgact 180  
 atttgggctt gctcgagttc tgccttaagg gcttgcacct cttcgtattt cttcgggtgcc 240  
 tcaacttctt cccttatagt ggttc 265

<210> 7714  
 <211> 342  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7714

agctatgatt ctaagaatga aatagataaa gattactttg taatgactaa attgatcaaa 60  
 gatgtactcc cgagacatat gataaangat gtatatagtg ataagaataa ggccttttaa 120  
 atttaatttt gagaattaat tttgctgccg catattttat tcaatagttt cggttatcac 180  
 aagtactcag acacttgttt aaaacatctg caagaaccta taaattaaca caggagcctc 240  
 gtatgcaaaa tgcttttgaa tgggaaatat atgttaagat ttacagagtt gttgtattta 300  
 taaagtgact catgaatata taagtctttt taacttttct at 342

<210> 7715  
 <211> 421  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7715

acacgttaac tcgcttntga tctctatgaa tctgctgcaa atcaactatc aagacgtcaa 60  
 cgattgcgcg agttgcttaa acaatcccaa tcagctcctc ttaccgagga agaacagata 120  
 ataactatctt atactggaac gaatgggttat cttgattcat tataaatggg acacgtaagg 180  
 aaatttcttg ttgagttacg tgcttactta aacacgaata aacctcaatt caaagaaatc 240  
 atatcttcta ccaagacatt cactggggaa gcagaagtcc ttttgaagga agctattcaa 300  
 gaacagatgg aactcttttt actacaggaa caggtagaag aaaattgatt aatcgtttaa 360  
 taactctata atgtcacttt caaattctta tacattagat cttttaatat ctctttattt 420  
 c 421

<210> 7716  
 <211> 426  
 <212> DNA  
 <213> Glycine max

<400> 7716

agcttggagt agaaagagga aacaaacatg gaaccttggt gcagaatgat caagtcatgc 60  
 ttaagttgaa aaattaaagg accatttcgt tgctcgaaac attcttgaag atcattccag 120  
 attgctttat cagaagaaca atgtaacact actaaaataa gtagtttcaa tgactgaagt 180  
 taactacatt cctttcaaac ccgttggtat tttttaaccg gcggtatatt ggttaataaa 240  
 agaaatagtt caaagacgat gaatgataaa cccgttggtt ttttttaacg ggtggcattt 300  
 tgggtgaataa aagacacata tcaaagaccg tgattttcta aaccgcgtctg tgaatgacgc 360  
 gagtctttat ttttattgtg actactcaac tcgtgtcata agtagccttc gcgtggactt 420  
 cctcac 426

<210> 7717  
 <211> 383  
 <212> DNA  
 <213> Glycine max

<400> 7717

atcttatcta tttctccatc acccggtccc ttttaatttaa atcaagtgat gcattactaa 60  
 tgagattatt acatatatttg aggtaatcat gttaagaata gtcataagag tctatatatt 120  
 acttattggt gctaggtaac tgactctatt gttggatcaa gtatcctcag aataattaag 180  
 acaggggggtt gaattaattg ttcctaaacc ttactaatt aaaaattact cttctaaagc 240  
 ttttactaaa ttgttaagag aatgacgagt agaagataaa cttaatagaa aataaaagct 300  
 caaattaaat gcacagcgga cagaaaagag tatggaagaa tgagacacac aagagttttt 360  
 atactggttc ggcaacaacc cgt 383

<210> 7718  
 <211> 359  
 <212> DNA  
 <213> Glycine max

<400> 7718

agcttcctct tattagtgca cagctccttc aagaatttgg catatttttg aattttcttt 60

attgcatcca gcagaggtat gtttacctct acttttctga atgtctccaa gatctctttc 120  
tctgectctt ccattttttt gttggaaact gctcttggag ggaatggaag aggagggatg 180  
tgctgcttct gcaaattacc agtggaagat tcacctgcac agaaattgtt aggtaaattt 240  
ttgtcatcac ctttttctgg agtagagtga agtttggcag attcatttgt agatgaggaa 300  
ggtgctatgg gttgaggtcc ttgacactgc tttcccgacc tcaatgaaat ggcactgac 359

<210> 7719  
<211> 392  
<212> DNA  
<213> Glycine max

<400> 7719

agcttattta ggcaatatag acctcagcct tagacacaaa tgacacagtg ctcctaacaa 60  
caccacacta ttggacacct gtactactga catattccct caacagaaat tgtaattcca 120  
ttctaacaga atacacgata tcatcattac aaaggattct gatcctaaca acctaatgga 180  
catagtcttc ccacccttga ggcttccttc ccataccctt gggcctgtgg tcataatcat 240  
tatggtgcaa attggtatca tatcccaaaa ccagcacaca catggatttt taagattaca 300  
aactaaaact tcatttaggc atttcaccaa acacataact tacaacccat tttgcaaaaa 360  
aaaaaaaaa gagggagaga gagtataaaa cg 392

<210> 7720  
<211> 410  
<212> DNA  
<213> Glycine max

<400> 7720

tgcagctttg agcaattcaa atggtcataa cttttttcgg aggtccgatt caggcgcata 60  
atatataaag acgctcgaaa tttcacaacg gaagctctcg agaaattcaa atggacataa 120  
cttttaactc ggatgtccga tttatgcgca tcacatatag agacgctcga aattgaacaa 180  
tagaagctct cgagaaattc aaatggatcat aacgtttaac tcggaggtcc gattcaggcg 240  
cataatatat cgagacgctc gaaattgaac aaaggaagct ctcgagaaat tcagatggtc 300  
ataacattta actcggatgt ccaatttagg cgcataatat atcgagacgc ttgaaattga 360  
acaacggaag ctctcgagaa attcaaattg acataacttt taactcggat 410

<210> 7721  
 <211> 436  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7721

agcttgataa gttgatgacg aattgccaca aataatataa ttctttgata agaccgaatg 60  
 tttcacacaa gaaccaagag aggcactctt ttaactgtgt ataatatgaa atttcatcaa 120  
 aactgccaac aaagtgttta aggagtctat ttataactcc tactaataac ccttgtagaa 180  
 gcaaagcttc caagcttatt ttgatgatgc caaagactca agtcaagaat caagattcaa 240  
 gaatcaaaga gtaattcaat caagaatcaa gattcaagtg aagattcaag aagaagactc 300  
 aagatatgca agaacttcaa gaaaagcatc aagataagta taaaaagatc ttttcaaaga 360  
 aaagaggata acacaatttg tccaaagaat tttcanagaa aaacctttac cagagtttta 420  
 ctctctggta tcgata 436

<210> 7722  
 <211> 401  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7722

agcttctacc tacatagcat atgttcacca cacattaact cgcatttctt tctcggtttc 60  
 tgatgcaaaa tacattatat gctgtatgtg atcggtcca tgccagtgat ccacgtttac 120  
 aatgacgatc aaatttgaaa caacggatct cattttcact tcgcacattc tttttttacg 180  
 ataaaaatgg tgcttattca ataattacta catcacacat tcattcgtta ggattggatc 240  
 gatgctacgg aaatcgaatc tgaaaagacg aataacaagc gcagaaagtt gcagaagcat 300  
 tgcaaaacgt ttatgatcca gtttgtgatt aagttagggg tggaattgtg ggaaaaaaga 360  
 ggtggagatg gagaagaagg gaaaacgtac cacggttgat g 401

<210> 7723  
 <211> 343  
 <212> DNA  
 <213> Glycine max

<400> 7723

agctttgtac tactccaacc aaccttggtgta cgttcctccc ctaactaatt acctctcttc 60  
tcttcttatt tgcactcaat cactcatata tatgcctgtg ctgtcattcc ttgtttgcaa 120  
tgctctaata tatgctctaa atcatcactt gtgtcatgta atctacacta ctactatgc 180  
tattaagata tcaccttcta ctcttgatat atctcgtata gttgtattcc ttgtcttatt 240  
ctactaataa aagatagaca gcgtgcaaga acacatatgg gtttatattt cttgggttagt 300  
tagctatact tgaatttttg aaacggaacc ttaacatgcc atc 343

<210> 7724

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7724

agcttagcca caggctcctt gtgctaagga ttcaagggtg gagaggaana agagagtgaa 60  
atgagagtgt ctaattatgt ggttcagttt gggttaattt aagtatatga ctcttctctt 120  
tctttatatg cacatcccat cacttcttat attcaactac tttgttctca tcaactcaaga 180  
cccacttatc tcaacctaaa tactctaaaa cttactattc acaccaata caatattttc 240  
gcatatgtaa acataaacat acatattagc atcacacacc atcatctcat aataattagt 300  
taattataaa cacttatact aaatataatt cctcaatg 338

<210> 7725

<211> 180

<212> DNA

<213> Glycine max

<400> 7725

ttctcgataa gaccgattgt ttactacaa gaacctagag aggcactctc ttaactgtgt 60  
ataatatgaa atttcatcca aactgtcaac taagtgttta aggagtgtat ttataacttc 120  
tactaataac cccttgtaga agctaagctt ccaatcttaa tttgatgatg ccaaagactc 180

<210> 7726

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations  
<400> 7726

agctataaac ttcacagatg agaggagaag caaaatattt ataggaaatg gtgagggggtc 60  
tacacacaag agtaaaagaa agggagagct ttatgcacaa aatcagagtg aatagaaatg 120  
gcttaagtgt ttatcctttc acgggttttta gtcaatatga tcggagccaa aaatccctcc 180  
ttgtgccttt gaattttcag ctatatatga ctctccacca acaaggatg agagtntat 240  
tttcttttcc tttatgatgt atatataaga gccttgaaat tggttcagaa agaggtgtat 300  
tcanattggt taaagaaatc aagttaacta aaatctggaa gttaatgact taattacgat 360  
gtcaatcaca tacatgtgag aactaattat tcattat 397

<210> 7727  
<211> 331  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7727

tatttctttg agataaact taaaataata ttttttttaa naaatactaa cttctaaatt 60  
ttgtatttat tctctttnta tccttacaca tttatntaaa tttctttnta atcttttcta 120  
tttttttatt atatatgata ttgatataat atatacataa tttatgtggt tttattctta 180  
ttttatatac tttataaata aaaagctaca agtgcttaan attgatttaa aactaatatt 240  
ataaatatta caaaatatat ttttatcaca aaaatcaaataaaaattttgt ataaaagcat 300  
tacataaata tatcccatga tgntattata t 331

<210> 7728  
<211> 432  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7728

agcttagatt gaatccaaag ctagattgat aaggcaaaag gacactcaaa gaagatgctg 60  
agagtagtgt tttaaaacc aaaccgaacc gatagggtcag attgggtcaa gataaagcct 120  
ttcgattgta gcttatcacc agaaagaatt ttccagtaat aatttctaga gaagaaaaga 180

aggagaaggt ggaatggctt ggttccaatt cttcatccca aggaacctta tcatcacaag 240  
gataataggt atgacttaat tccgaatctc caaaaacata tcaggaaacc aagcttcaag 300  
agatgctgga agagactaag aatttcctga gataaaatct tctaccttag cttccaacaa 360  
gctacgtaat tgatatggaa tattacaaag attcacaaca naatcactat tagaaaataa 420  
tggtttaaca tc 432

<210> 7729  
<211> 538  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7729

cgccgtggat tgacgcccatt tganacgcgc gatcctgaga gttcgattgc ctgtccgcac 60  
gctgggagct ctaaaacacc tgcagcatgc attctattgg tggagagaac aattatatta 120  
tacttatata attctgagaa atacttaaatt atattttatt aaaaatactc acttctaaat 180  
cttgcattcta ttctctccgt atccctaacg catttattta aattttgttt gttagtctct 240  
ttctattttt ttatcatgat atgatatctg atataaatag tataactcaa gtttgatggt 300  
ggcgtccatc tctttatatt taatcatact tatattanaa tgaaaaatgc ctacagacgt 360  
gcttatanat atgattctaa caacttacta ttattaaata ttacacaaat ttatgtttat 420  
caciaacatc aaatataatt ttgggtaaaa gcctgacata aatatatcca ttatgtatta 480  
ttattttgga attttcaact tcagaattaa ggaaagctcc ttttaacgta tgtaactn 538

<210> 7730  
<211> 521  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7730

ggagtgcgtt gagaccgata gagagacgng annttttgga gatgatgtcc ntctgagcna 60  
cctntaaatn nacagcggct gcaagcccat tctagatcct ggagtggaca cgttcttttt 120  
gacagaccta cttgagcaga cctcttaaac gaagcgtaat ccctagagcc ctcttggttg 180  
acaactgtct gtgcctaacc tatgagaaca atgggtctgt tcaaagtcac atacaatggt 240

gtggaggcgg tcctcacgct agagaacgat agagtgttc ctgttttgag ttaagtactc 300  
 acgatcttcc tcgacatcct tgaagggcaa ctttttcttt aaacccggat cccactctg 360  
 ggatccgcaa gctaatact atctccagat gattcggcct ctccaaagta aatctggtgt 420  
 atatcacgat atatccact ctgcgcgac cagaggtatt taaaaggggt gcaaaatact 480  
 catgaacttc tttaaagacc ttcccacccc tgtctagggc c 521

<210> 7731  
 <211> 304  
 <212> DNA  
 <213> Glycine max

<400> 7731

taccttgctc tgcgggctct cgaatactat tattgggttc aacatctcac cattattatg 60  
 tggtgatgtt accatattgc caaacaactg gaatagttca atctcgctgc actttctctt 120  
 atctgtgata gagaaatgga tattgtagaa tcttaacccg cagcaccttg gactgtggac 180  
 gttcaactga aaaagataga tctgtaatca aacaagaacc ctacttttcc tgctcacttg 240  
 acccattttg tattcaaaaa gttgaatata gtttcaatta cttctgatcc cgaggcaaga 300  
 gata 304

<210> 7732  
 <211> 519  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7732

cgcgatgctt gaaanccnat tcgnacacgn ngatncttta gagtcgatct ccattgccagc 60  
 ancctnatnn ntgtnatgga atanctacac cttactttct atcctataag attgacgtat 120  
 gttattttta cttcaagatg gaatctgagc ttaccatgga ttagatagtg agacatcttc 180  
 tactgtccaa agatctacct ggccctcacag ctgtccctat gcagtgtaat aaaaaagtct 240  
 ctacagctcc atgcacctaaggccctatac tatgtcgtaa agggagcgtt acgaacccat 300  
 ctgcactata aatatgggcc acagttcaca acactctcta cctcatgtac taattctgtg 360  
 atcgagcctt ggcccaccca cttcaaatga aataatatgt ttactgatgt gtactcaacc 420  
 catatccttg tatgagctac ttatttatat cgacatgatt cctcactgcc agtaaaagag 480



gggatctgac caattttgac gacattgact ccggacacg

519

<210> 7733

<211> 440

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7733

atctctgagt cacctgcggc atgcaagctt gtgattcctc aatacatcct tattaattgt 60

ttaattctta cttcttaaata gtacgttata tacttggtat aggaacctta taattctaag 120

tatatattag tgtagtatgg tgttctgcct taattgcata ngtagtatgg ttggttgtga 180

tttcttggtc ttagtgatgc taatactcta tagttggatg actcatatca agttatattt 240

cataaggaat actcttttga tcgtaccttc taattctagt gcaacctatn tttttttgtg 300

tngcgtgctt aagtcaaata aattgagttc acttgaaagc ctaagtataa ttattctatn 360

gtatagacta catcaaaca tnggatactg atgttttata caatcagtga ttgtatgtct 420

catatagtga cattgggcat 440

<210> 7734

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7734

acattcaata attactggta atctattacc atatatgtgt aatcgattac acagtgcana 60

ttttgaattc aaattntaat agctattgta aatcattttt ggccattggt aatcgattac 120

atcctctggt aatcgattac cagagagtaa atctcttgaa aaagactttt taacttaaat 180

ttcttgacca aaccttttgc tacttcagtt aggaattccc ttcctatnta atataccctt 240

cctaagaatc tagagactgt cttgatcatn ncatctgaat atncttaatt tctttggctt 300

gaataaagct ttgagaacat atgatacctt ggcatatcaa aacattcagc ttgattccgt 360

gctacaatct ccc 373

<210> 7735

<211> 338

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7735

agctntggag tttccaagt ccaattcgtc ttcttctttt gtccagtctt cttctggctt 60  
 caattcatta gagggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120  
 gacagctttc caggtttctgc tatccagtga ttgaggaag gccaccatcc ttgctttcca 180  
 gtattcatag ttggttccat ccagaattgg tggctgtgtc acttgctctc cttcttttct 240  
 catgttcac agaaattatc tccctagatc tcaactcagt atttcgagt cctgctctga 300  
 taccaattga aattctgata ctggggacag atgtcgta 338

<210> 7736  
 <211> 437  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7736

atctctgagt cacctgcggc atgcaagctn ttcgattcat tctatgtacc cgtagtggtc 60  
 cacattgtgt ttcgtgcatn tttattctcg ttntgtttac tttttatacc cctgttgac 120  
 gtgcttaagc cattttactt aagtcgtttc tcgctcaact taaaagtaaa ataaatttcc 180  
 accgaacgtt tgaattgtat tatccattaa cttcgggtaa aataaattcc gaccgttcgg 240  
 tcatgtngta accacgttgg anatcanaaa gaggtaaaaa ataataaat aatcaaaaag 300  
 acatctttta gtaaaataaa gcggaaaatc aatcggacgt tntctctttg ggagttctca 360  
 ttcttaatcg aattggataa taactaaagt gaaactaagg ctataatcaa ctcgcctagt 420  
 caagctcgtc cacaaaa 437

<210> 7737  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7737

gttagctntg ttctgcaatg cttngacctt ccaccacat ctgcatagaa ttagattatt 60

attattatat tntaattnta agccttgtat ttggctatgt tttatgacat ttgaatactt 120  
 agtatttctt ttcataattta cttagtatga ctgaacatga tgattatatt tacttgcttt 180  
 tggttgggta tggttatgtg tgttaaactt tattattttt atgatataata tgtctagtga 240  
 tatgtactta ca 252

<210> 7738  
 <211> 437  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7738

tgcacgcatg caagctatat accctagcaa ctcanaatct aggtatccat aacccctcaa 60  
 tttaatggat tttcaaggtt tgagaagtga aaatgagaat ggggttaaatt tggagcaaac 120  
 tctcacctca cacaagtcta taacatcaat ctacacttgc tcaaactggg tttacgccta 180  
 atattctgtc gaatcaaaat ttgactcctc aacacccaat tntaccctag aaatggctca 240  
 tgccctctact ttggtcatta gctttctctc ttgacagncc aactntctca taagtataaa 300  
 tgacatttca nactaggaat aactcccttt aacctccaaa taccactaaa ttcagatttg 360  
 gccttcaact ctcaaagctt cactcttttt cactcaaaca ccatattcta ctttctaacc 420  
 ctaggtaacc ctaccct 437

<210> 7739  
 <211> 347  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7739

agcttggttcg cacatcggtc gcgtgtatga tatccattcc acaaggtttg aagtagagga 60  
 gaccttcaat cctataacgc aatgtggcga acaaaagtgg gcagttaact tgaatgggtca 120  
 tcattgtcaa tgcggaaggt attttgcgct tcaactatcca tgttcacaca ttattgcaac 180  
 ttgtgggttac gtgaacatta actactacca atatatagat gttgttacac aaatgagcac 240  
 atcttataag cttactctgc acaatgggtga ccacttggga atgaagcggc tattnctnct 300  
 tctgatgacg catgaacact tatccctgac ccaactacaa ttcatgc 347

<210> 7740  
 <211> 367  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7740

agcttcaaga atgtgaagta gctgctggac ggccataact aagaccataa catcacttga 60  
 ataaaagaag ccaagtctat tgtagtcttc tgatttctgt gtattgtaat caagtgatgt 120  
 tatactagta agtctttctc agggttggct caatcgacac aatccaaact aacaatgtat 180  
 ttacttcgag tctgattaga tctagagaat cttatngtat ctacttgga aagtaaaata 240  
 ttcaattttc ctaaaatcag tcgcttgcaa aagccacaaa gaagagacgc ganaaagtgt 300  
 ttgttcaaca atcatatcaa ttgataaatc cgggggtgatt ggttaaata acttgccata 360  
 tcaattc 367

<210> 7741  
 <211> 575  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7741

tttactttgt cgagactcta atttacttta attcatnttt ntgaannnaa nnnnagccta 60  
 tgancctgaa ccttgaccgg atcttaagcg actgagctgc aacttctatc tattagaatt 120  
 atgaagtttc taatgctgaa atcatgggat taagaaggcc atgaccaatc cctattctat 180  
 tatttaacaa aaattcctaa tgaagggtgag ccctttgagg gtgcattgat tgatgattgg 240  
 aaattctata tttctgtgcc tgatgccgc cggttggttt gaccaccaa atggatacga 300  
 ccggaacgct tcttgcgca cattgagctt tgaaaccgca tctccatac cttattgtcc 360  
 gcatttactc ccttaaactt caaaccttgc ttangtttct gaagaatata tcatagacga 420  
 gtgggcctta cataaagagt tacataatgt tggacacaca ctgctagata tcgcttgctt 480  
 aaacactgcc acgaatgcc catggctata ccttatcatg ttcccttttc cttaacactt 540  
 tacaacgctc ttattatgca cctatgtcaa tcaan 575

<210> 7742

<211> 436  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7742

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 tcgataactca accccaaatg atctcattcc aatcagattt ntactttgct accaataaga 120  
 attgctgaac ccatttgatt taggggtgtaa tttttctgat actaggatgc ataaaattgc 180  
 gctccataat tagtancact ttctcttatg atttgtatat gaacatattc tntcttttaa 240  
 ttccttacac taggacacgt agtaacattt gtctttatta tttaagaaat taaacgagta 300  
 caccataaat ttattatfff gcaattcttg gacgactata acaacgcgta cattatcatg 360  
 gtaactaaga aatattgngt cgataatcac aaatgaatca ctaacaaaca cactatgact 420  
 ggcctctcac cgaaan 436

<210> 7743  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7743

agccttcaat tttgaatatt tagaggtacg ggtgcgttta tattgatctc ctacaaagct 60  
 ttctgatgtt cctttgctta aacttatatt gcatgttatt tctttcgcag agaaggtcga 120  
 acaacacact aaagctttga tttttatctc aacaaaacga cgatttttat caccgtaggt 180  
 gcatagaccc ataaacggaa cccgtcttct gctaaagatg cgattttaac atcacatgtc 240  
 ttcatttgtc cacctgtctt ctgcatttnt tcttttcggt 280

<210> 7744  
 <211> 523  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7744

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 acttgancnc gttaccaann nacgcagcag caacngcanc cnnaaaaaag agcgcggtat 120

taggtgaaaa aaacacctcg ataaacttca tccttctttc caaaaccatt aggccaccgag 180  
atngaagctc aagcgagatt cctgattcct taatttccag ctagaaagaa attaaaaaga 240  
aaccctgat tattaatat agactagatc gctcaccgaa gaganatacc aaacaacctt 300  
gaaggaacta cgaacctctt tcagggatga ctatcctata acttatgatg caacatcggg 360  
tgtcaaatca gctagttatt ttcttctcca ctgactaatt accaacattc caaaaaacta 420  
actaactcta atctaaacaa ctgactgatt gttataagtt aataatggta ttaataaaac 480  
tgaccgacac taatatacaa agtagaatcc aataacccat tcg 523

<210> 7745  
<211> 451  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7745

gaagaagaag aagttcanag agattcaagg cttgtaaagg attgtattgg attgttagaa 60  
agattgatta aaaatgcaaa acaaagcctt gcttttatag actcttcacg tctgggtcaag 120  
agaaccattt agaagagtta tgacttttag aaaaacttat aaccaatttg aaaaagtcaa 180  
aaaccatttg aagagttaca tctttttgat tattcagaaa caatcattgg taatcgatta 240  
ccaaatcagt gtaatcgatt acacaaagct tttaagtga atgatgtgac tcttcacatt 300  
tgaatttgaa tttcaacgtt caaaggcact ggtaatcgat taccaaaaca tggtaatcga 360  
ttacagcttt ttgaaatcaa ttggaacgtt gtaaattcat ttgaaaattt tttcanatcc 420  
attttactac tgggtaatcg atacaataat c 451

<210> 7746  
<211> 473  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7746

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ccttccatgg cttattccct agtggatggc gcctcctctt acctcttctc ctttatcttt 120  
cgctacatct ccatgggtga aaatcaccat cgaaggacct cattgaagct caaagatcca 180

acctccatag aagcttctca agcaagcttc catcactttt ctttactcta accatgatga 240  
 tgaatgatgt aatacanata tcatatgttt tagaagacac aacacangat aacaaccaat 300  
 acanattcca cttaagggga gtaggcatgt aaaagtctaa aaatcttcaa aacttcttta 360  
 acatttgctt tgagaggtnng ttcaccatat tgctgatctc attgtactcc ccctatctct 420  
 aacaatctcc cttttttttg gcttgatgat gccaaactta aatatgacat tga 473

<210> 7747  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<400> 7747

atacttagac tatictaaaa aatgatagct ctttcaattg gaaaccaag attgctaacc 60  
 agacctttaa gtcagatccc atcctttatt gcttctatta gagcatgcac tctacctttg 120  
 tagtgataa aaccacaatg ggctaaagag tttccttcca actatcaaga gagttgcaa 180  
 tcatgaatgc gtacctgtgc atagttctcc ttgcatccaa atctacagca tagtcaaaat 240  
 ctaaataacc aacaagagca c 261

<210> 7748  
 <211> 218  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7748

agtcacaaag agattattat atgtgaccat ggcatgaatn tacttatcaa tcatataatc 60  
 tatctttcaa tatcttcttt catctctttc aacactttca atagatcttt ctgatctatn 120  
 tctcttcac c tttctaaaag gttttgttca aacactttct cttccaaaaa aagttctttg 180  
 gtcaaaaactt gggctattca tattttttat tctcttct 218

<210> 7749  
 <211> 394  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7749

agcttctttg agaaaacttc cttgagaagc tagagcttag ctacacacac ccctctcata 60  
 actaagctca cctccttgag aagcttcctt aagaagattc ctaaagaagc tagagcttag 120  
 ctacacatac ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc 180  
 tacacacccc ctataatagc taagctcacc cccatgacan aaaacatgaa aataacaaaa 240  
 aagtccttat taaaaagaca actcanaaat gccccganat acaaggctaa aaccctatac 300  
 tactagaatg gcaaaatata ggccctagacg aatganaacc tattctatat taaaaagata 360  
 gcgggctcta cttacccatg ggctgaatct acct 394

<210> 7750  
 <211> 388  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7750

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 atgctactct taaaacaaaa atggcacaca acctcctcca ataaacacaa acatcaatgt 120  
 aaatttagag canactcatg gacatacttc cttatgaaca ttcactcgca caagatattc 180  
 ttctacctaa aaaaatgcac ccatgcgcaa tcaaggcacc tttgttacct agacttattt 240  
 atgtgtactt ccaagggtgta tttgctacct acatcacatg caacttcttt ggctaaatta 300  
 catacatgca tactcaaagc atcttggcta ccaaaaattg cacacgtgca cattcttgta 360  
 tttctaatac ctatgcatat acaaactt 388

<210> 7751  
 <211> 284  
 <212> DNA  
 <213> Glycine max  
 <400> 7751

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 tagttgggtga tgtgatttat cattaggcaa ggatttttagg tttaattatt acgaaattgt 120  
 tgattacttg cttaaatgtt tatgtttcat catgggtggat taatgtaaaa gcaagatcac 180  
 ctgtttatat tatttgattt gagttaacaa tttatttact gggaatttta ctattgggtgt 240



tcataagttg tatacctagt cctagatgtt aaccgggcat tctt

284

<210> 7752  
<211> 289  
<212> DNA  
<213> Glycine max

<400> 7752

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gcattagggt ggaaattaga taccgagcta ttacagagag ggtcggagtt tgccttattg 120  
tatagaagat ggtggaaaat atacttaggt ggtttgggca tgtacagaga agaccggaag 180  
actctgtatt gaagatgagt gacctgatgg agagaatgca cacacttcga tgcagatgaa 240  
gaccacaaa gactattcga gaggctatca agaacgatct cgaacttaa 289

<210> 7753  
<211> 362  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7753

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aacacaagag catgattgat tagagaaata tatttatatg catcagcttg tttatttgaa 120  
agaccaaca tttctaccta ctactgttac ttttacttac cttgcattnt atagttttta 180  
gcataaaagt ttagtttaaa ttctgtttga aattatcaat catacatgtt ctctcaacaa 240  
tgcttcattt ctgaacttaa cttaggctaa cattagtcc ttgtgttcga tactcngatt 300  
cnatccattt aatttttaaa tacttgacaa tccagtgtgc tttccggcaa accgaatttc 360  
cc 362

<210> 7754  
<211> 308  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7754

agcttctcaa ggatgtgagc ttacttatga gaggtgtgtg tgtagctaag ctctaacttc 60

tcaaggaagt tntctcaaag aagctttctca aggagagttt ctcaagatag cttctcaagg 120  
aagctaccta gtctataaat agaagcatgt tgtacactcg ttgtaacttt gatgaatgag 180  
agtcctgtga gacacaactc anagttcaac ttcttctcct ttttgctcct tcgatttcgt 240  
gctccccct ctctctttct ctcctctgt ctttttcacc attgaagcat tctctccaag 300  
cttttatc 308

<210> 7755  
<211> 157  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7755

agtcaaacga caataactnt tgactcggat gtccgattgg gtccggtagg atatcgagac 60  
gctcgtaatt gaaaacggaa gctctgagaa acatcaaaca acaataactn ttaactcgga 120  
tgtctgatgg agccctgtaa tatatcgaga cgctcaa 157

<210> 7756  
<211> 322  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7756

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atatatcgag acgctcgaag ttgaaaacgg aagctctaag aanagtccaa caacaataac 120  
ttttaactcg aatgtccgat tgagtcccgat aatatatcga aacgctcgta atttaaaaca 180  
gaagctctga gcaaaatcaa acgacaaata cttttaactc cgatgttcga ttgagcccta 240  
taatacatcg agacgctcga tatgaaaacg ggagctctta agaaagtcaa acgacaataa 300  
cgtttgactc ggatgtccga tt 322

<210> 7757  
<211> 333  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7757

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 acaaagtact ttcggcacct actatatgtt gacttgacca atgctgttat tggaatgttg 120  
 cgacaatctt tcaacacctt tttcacacat tctgataggt tgttttcatg tgaccatc 180  
 gtcgtccaga tgtatcgtaa gccatgctcc atttntcttt ngaaatgcga tcaatccatc 240  
 ttgctatggc tggagtcaat ngacgaaatt tttctaagtt ttgatcaaac acatgcttgc 300  
 aaggagtgta cgctgcatca anattgtatc atc 333

<210> 7758  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7758

agctntgcga aaagctngcc gctggagctg acccataac tggcctaact cctttagact 60  
 agtgggtccct aggctcttga ccttgacttg atagaacctt tttttaagtg aaggcatttg 120  
 acttgatcac atngtttact aaagtgcga aaaatcggtg cgaatcaaaa ctctaacatt 180  
 tatcatgggt ggaattgatg aatgcatgaa gatatgcata tgacacagat gcgtattatg 240  
 aatacgggag cccg 254

<210> 7759  
 <211> 377  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7759

ctgcagctta acttcggctg tgcatactgg tgaataattg tggcacagta gaacttgaat 60  
 aatcctccag gggtactctt cttagctctt cagccatgat tggatcttca acagggttcta 120  
 tatgagaatg ccctacaata ggaaaactag aagatgcctt ggaagatcaa gggttcttctt 180  
 ctggagttgc tgttgcttct aaatactgca aaaaaaattt tgattctctc tgaattacgc 240  
 cttctacaag tggcattaat ctccaaatca ttgggaatca aatcacctgc agtagatctt 300  
 ctttgcatc aagaaaacag aacaacaatt atccagttca naagaacaat gaatgtacgg 360  
 taactaaaat atgaact 377

<210> 7760  
 <211> 390  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7760

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 cagattccca ttcttttata cttnttttta aacaagttag aacctattac ttccaaagcc 120  
 agtgggaaggc cagaagcata agttactgca cgttgcaaga cctccacgta atttggatca 180  
 gctttttcct ttttaaagc tttccatgta agtaactgaa gagcatcggt ctcaccaat 240  
 tccttcacct catatgttgt aataacttga tgagggtgcta gcaattgttt gtcccgagtt 300  
 gtgatgatga atttgtgcc gggaccaaac caatctggtc taccaacaat tgcttgtaat 360  
 tgctcgtgct tgtcaacatc gtctagaatc 390

<210> 7761  
 <211> 411  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7761

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 agaaccaaaa taaagcagtt ctttcatgac aatgactgaa ggtatatttt gattctattt 120  
 tccgcatttg ttaatgactt gtgttttcatt tttgttggtt gtaacatcac aggtttgata 180  
 ttttagtctt acaaggattc caaagggttaa cttaatttgc cattttttta tcacattaat 240  
 tcactctccga taataagtga aaggacaatg atgtgggcaa agtgaaaggg tggagaaaaat 300  
 taaagctttg tctgaagtag ctactntgta tgggtggtac atagaagatg ggtaagtgtt 360  
 ctttaaaatt agatgaattg cctttttttg agtccatgct tttgttcaca t 411

<210> 7762  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations

<400> 7762

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aacttaccaa cttgaatata tagactttta gatgctcgtt gagtagattc aattgtttct 120  
ttgaattgca tcaacaaatt atccaaatta gaacttcttt cttctggata ttgattgtan 180  
gggtgtaact cttgtcccca ctgataattt tccatggagt agctcttgct aacctgaat 239

<210> 7763

<211> 168

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7763

atgtgtgccc ctgctattct agaagcatgg ccaaaagtnc aagtgtggtc tgattatcct 60  
gtaccttcta gcatattggt gaggtttgat tctctattg aagaccaaac ggtagttaa 120  
taacatagtc gtctatatga tgctctcagc tttcttctt atgaatat 168

<210> 7764

<211> 347

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7764

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aaattgaaat tntataaata tttaattgta atcattcttt tattatctat ctaatcactt 120  
aaattcaatt ttgtatttgg aatctctttt gtctatatca aacaatctca atctttgttc 180  
attctcata tactttcatt cctattcatt catatcaacc aaacacacct taaagagaac 240  
cagctcttca acgttcttac tcagagagag gtatatacta tcctttcttt atttcccatc 300  
atccggtgat taagtgagaa gtaattttac attgngcttt tgtcttc 347

<210> 7765

<211> 310

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7765



<210> 7768  
 <211> 377  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7768

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 gtgaaaactt gatggttgcc aagaactaga tgtattattg aggtcgagat aatttgcaat 120  
 attagagttt ttggtggccg ataccgatga tggtggaggt gatgagaaat aatttgattt 180  
 cgatgggggtt gagcttttaa tctactcaca gagaatcctt aggtttttaa tactaacat 240  
 tncctcttcg tgagtgaacca ctgcggtgtt tacctcatga cnttgggtaca ggcgcgaggg 300  
 tctaccattc aacgtggtgg caatgatgag aacaaccacg agcagtagag caaccaaacc 360  
 ttcaagtcgt accacca 377

<210> 7769  
 <211> 158  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7769

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 taactacaac tgcannntaa ttataaggg aannattgta attgactcta tgctttgcc 120  
 tcttaggaca acaacgtgga tgaagatcctt aatgatga 158

<210> 7770  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7770

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 ccaatagaaa attngtntc aaaagctttc aaactgaatt tacaacgttc caattaattt 120  
 caaatggtg taatcgatta caagattttg gtaatcgatt accagtgtgt ttgaacgttg 180

aaattcaaatt tcaattgtga agagtcacac cttttcaciaa aaatgctttg tgtaatcgat 240  
tacaatggat tgtgaatcga tta 263

<210> 7771  
<211> 177  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7771

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ctagncaagg gctgagagac catacaagtt tcttagcgac ttctaattat gtgggccatt 120  
aagtctatca tatgttgaca atagccgaga agcccatgaa tctctttggg gcggagt 177

<210> 7772  
<211> 351  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7772

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tgccganaat ctcttgaact aggaagatgt tgtccatcat ctttctgttc ttaatgaagg 120  
cagtttgagt ttccccaata atagtctcaa gcaactggggc tatgcgggtg accaaaattt 180  
tagacataat cttgtataac aaattacaat aagatatggg tctaaaatgg gtaacctggg 240  
agggctaatc atgcttagga ataagtgcaa taatagcatg gttgatctgc tntannaatt 300  
ttctagttgt aaagaattca ttaaccgcct caaagatatc atcaccaatg a 351

<210> 7773  
<211> 356  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7773

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gtatgatgna acaatttgag ttacagtatc acgtaaacta agattatcat tcaggatctg 120  
ttttctcatc catgccttgc acagttgggt ggtcatgact catgatatga ttgtacctn 180



taggaatgat aggtttttga tataaatggc cggtaagact cccttagtga attgaaaaag 240  
 tatctgatcc atggcatggt agaattgtgt tacaaccatt ggtgccaatg atggcngaaa 300  
 taacaatgca tggttaatga atgggatttt nggatgcttg aaagcttaca atcata 356

<210> 7774  
 <211> 307  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7774

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 cacattcaaa ttccacagct ttccttactc atatacccca gtaacattct cttcgttccg 120  
 attcgttaac cgctggatcg ccttgaaagt tctactagag gttcctagta cataaatcta 180  
 cattttgacc gttgggatct gctaaaaacg gcctggaacc cgaaatgtac tattcttccc 240  
 atgactagca atgcacaagc natttctgca catgtngaaa aattctgtgc acaatcaaca 300  
 agcattt 307

<210> 7775  
 <211> 329  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7775

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 tttatgtgnc agcaacgccg gccataata gtttttagtac gatcaagcac attctccttt 120  
 ttgatttcgc tcagtaatag gtttaccatc gaggtcgctt ggggtatttc gtgggaactc 180  
 aaccgccgtt gtgtttcggg tgacattggc catccttgat agaagaggca aagaaaaata 240  
 tagccgacca tggcggcaga aaaaattctc gacaaacttg gattaaaaac aattctagcc 300  
 gacatcggcc aagaacgatt accggtcgc 329

<210> 7776  
 <211> 475  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7776

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 cctgttgccc acctccaact gagctcacgt actcccacgt agcccatatc ctcgtttctc 180  
 tcaacaccgg gtcccatca atcctcccaa tctttccca acatccaagt aactcaacat 240  
 tcaaacaaca caaacatca cagccaagaa aacagggcat aggcagaaaa ttctgcccac 300  
 ,aacaccaacc aaaatcacag ctgttctcac ttataggccc cangaacaat tccttcgttc 360  
 caattcttta taccgtggat cgaactccaa actttactgg aagtctctag tacataagcc 420  
 tacantttga ccgttgggat ctactagcaa acatgcagaa ctcattctac attac 475

<210> 7777  
 <211> 329  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7777

agctnntaca tcaaatttag taatgatcca ataactctag aattaaaga acttaaagcc 60  
 actaacctag ggaattaaaa gaacttaatg gccgagtgtg actaaaattg tggcaaccaa 120  
 aagtcacctt cagcagccat caagccagcc accatttggg tccccaaaag gctgatgcct 180  
 aggttgccaa ttgggccctt attacaactt gaaccaaacc aaactaaagc cttttagttg 240  
 attaacccac aacatatttt tggtcagcca actttacaag gattgagcca ttatttagac 300  
 aaactanaca ctctanaaat gagacaaag 329

<210> 7778  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7778

agctngcatc tgcccaaacc tcttttctca ttgcaccatc atcgccctta acaccaaagc 60  
 tatcatccta atccatgtcg ccaccacatc gaaccatcct tgtgtcttcg cgttntaatt 120

tttttgttgt cattaacttc cctatTTTTat tttatTTTTa gtggaacttg ggtgagttta 180  
 atatactata gtttctttga ttaatagtcc accacatgta aagttttgaa agcattcgta 240  
 acttatgata ttggtaccaa atcttagact 270

<210> 7779  
 <211> 382  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7779

agcttacctt gaatacagta cgttgcacag cgcgtcaaca gccaataagg cacaatgacc 60  
 ctaggtggcg atggtgccac gacaatgtac cctaggttgc gggggtgccg cgaacaatac 120  
 gcgacgcaga ggtagtggag ccgtgacaat gtacccttcc ttttgcggag ctgacagtgg 180  
 tgcgacggag attgacctca acaggagaca ccgactaata gcacaataat tttcagacac 240  
 tgaggacgat gagtacgcgt gttcaattat cgcgcaaggg ggacatatat atatgaaacc 300  
 atgttaacga cgatgtattt ctanaccctg ctttgacagt cgatatgtct acaacggtgt 360  
 ttacaaatac accgtctttg at 382

<210> 7780  
 <211> 301  
 <212> DNA  
 <213> Glycine max  
 <400> 7780

gcttctatat aagctgaacc catttatcaa taaacacaag ttgagtgtta ttcagaaaat 60  
 tagagtttat ctcttttatc ttagtgagag tgattctcct aaattcttga gtgattcaag 120  
 aacaccctgg ctgtatcaaa ggactttcac aacctttgtg tgttgcctc gctggaaaga 180  
 gtgattcttt ccttcctttc atcttcaccc ttgttctttc aaatcacaat tccagaaaat 240  
 tcacccctgc ccagaaatat ctcgaggcca taactcccat tttacgcact caaattaagt 300  
 g 301

<210> 7781  
 <211> 410  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 7781

agcttgtagg attatggggt acccatcaca tgtggtacta agtggcggtc gggcgatggt 60  
gcacaacaag ttttctacat ccacaaatcg cgcataaaac caccatcccc tgttgcccac 120  
ctccaactga gctcacgtac tcccacgtag cccatatact cgtttctctc aacaccgggt 180  
ccccatcaat cctcccaagc ttccccaaca tccaagtaat tcaacattca agcaacacaa 240  
actatcacag ccaataaaac agggcaaagg cagaaaactc tgcccaaac accaaccaaa 300  
atcacagatt ntctcactta aagaccccag taacaattcc ttcgttccag ttcgttaacc 360  
gttggatgga ctcgaaatat tactggaagt ctctagtaca taagcctaca 410

<210> 7782  
<211> 116  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7782

agcttatcat aatctattac atagctcntt ttgagacaat gnagtgattt ttaggagtct 60  
ctactntaat cgattacttc tctcttaaaa tgtgcttcag aagtgatcac aacttt 116

<210> 7783  
<211> 284  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7783

agcttcaaga gatcatccnc tcgacaacat tattggtgat atctcanaag gggtaacaac 60  
tagacactct cttaaagatt tatgcaataa tatggctttt gtatccatga ttgaacctaa 120  
aaatataaaa gaagccataa tagatcataa ttggatcatt gccatgcaag aagaactaaa 180  
ccaatttgaa agaaacaatg tgtggaaatt agtagaaaaa cctgaaaatt atcctgtcat 240  
aggaacaaaa tgggttttta gaaataaatt agatgaacat ggta 284

<210> 7784  
<211> 196  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7784

ctttctcgtc aattctagca ttctactcac acttacctac tanagaaact gaagtagcaa 60  
ctgatctcat tattcaacaa caacaagagg caaggaaaag gtagactact ctctgcaca 120  
agtaaaaatg tgagcatctc ttatatgcat agcaaaaaca aaccctttta tagcacgaat 180  
tattctcact atattt 196

<210> 7785

<211> 509

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7785

ttattgggcc ctttgtcgcg tgatcttgag acacctgcgg catgcatcta tctcatggag 60  
catacgagct gcaagaacta catgctatat caactccgac ggaatgaact gcaacccatc 120  
tgaagttcta tagtagctta cctactgtaa gaccaggcgt tgtattcttt ctctactca 180  
agggcttttg tcccgaaga gaacaatcac ggttttggca tgataggttg taacgacgct 240  
gccctgggga gcgattgaan ttgctctcat agactacatt gaataagagt cgatctccct 300  
tcagctatat aatctctcgg gcgaccctac gaggctcatc catccgcgtt tgccttgatga 360  
gcctgcaca cgcggatgaa cacttctggt gcattctcaag agctgccaac taaggtcacc 420  
ttgtgaatgc gatcttaacg ctgtacaccc tgggtctccat aagagggtcca tcttcaagtc 480  
gtacactaag tcgtcttga gctcgattc 509

<210> 7786

<211> 320

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7786

ccttaccgcc tcaataaaca taggctaatac agcaggccaa taccataata taagtaaaag 60  
ttgcaactcc gaatgaaaca ttaaaatcta tgtgaatcan aatgcagaaa gaaaataaag 120  
tagtctgatt accctcttga agagcctcga tgggtgactg caaatcatgg cggctcttgt 180

ctaggctaga cattttcttt ctgcaatatt tattatgaaa agttattttg atatacccca 240  
gaaataaata tattaaaatt cccgagaacc atcaaagaaa ggagatgaag agctgacaga 300  
agatcaaatt ccgtcagaat 320

<210> 7787  
<211> 377  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7787

tgatattgtc acagaataca cttgaggcac ctctccatt tcatccaccc cacttgaatt 60  
ctagtcgcgc attagttaaa aagggtgtata tttttacagc attgaggaga aataataatc 120  
aagggaataa tcattctatt ttcaaaataa taattgttac agctgtcatg aattactagt 180  
agttagttag agggggtaag aaaataaata tgaaagactg acagagggag gagaataata 240  
tatgtaagaa gagttggcct ctcanagagc taagttagga ttgatgcagc tcttgctact 300  
tcatngtatt tgataaagaa ctatccaacg aagaaaagtt tgacttatgt gagctcaaat 360  
tggatggact aatcact 377

<210> 7788  
<211> 112  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7788

ctgaaaatat ctaanaatct caccaaataa aggtccttct ctttcttga aggtaccaca 60  
ggatatggta cttccatact ttcggtcaca actttatcac ctctactcct ct 112

<210> 7789  
<211> 451  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7789

ttttgttca ctttctatct catattttnn accatctgat gtctgacttt acggatctag 60

ccctgttcag taattacgcg aatatgtttt attgcttttg caaacggaaa attggccaat	120
aagatgggaa aacattttgt ttatatccat tgttaagaat aatagctcct attgggctca	180
tgtaacaaac gagggttaga ctgaagaatt ttcctttgtg tattatcaat atgtctaacg	240
acatacatga caaaaagggtg aacgtaagaa taatgtcagg agccatgtgc actaacacat	300
cccagtatga aacttcatga gaaccactct tagtgactgc cccacaaact cttgcgatgt	360
gtatgtctac gtgaggggaa caaatatgat aaatggtgga ttcgagggat cttaatTTTT	420
atcttcttta gtcgacgtgt atatttatTC g	451

<210>	7790
<211>	433
<212>	DNA
<213>	Glycine max

tctaagcacc	tgagctgca	gcttgaggat	tatgggggtac	ccatcacatg	tggtactagg	60
tggcggtcgg	gcatggtgc	acaacaagtt	ttccacatcc	acaaatcgcg	cataaaccca	120
ccatcctcta	ttgccacct	ttaactgagc	tcacgtactc	ccacgtagcc	catatcctcg	180
tttctctcaa	caccgggtcc	ccatcaatcc	ttccaagctc	cctcaacatg	caggtaatac	240
aatattcaga	cagcacatac	tatcatcacc	aagaaaatat	ggcaaaggca	gataactctg	300
cccaaacac	caaccaagat	cacagttttt	ctcacttaaa	gaccccagta	acaattcctt	360
cattccaggt	tcgtaaccgt	tggatcgact	cgaaaatttt	actggaagtc	tctagtacat	420
aagcctacat	ttt					433

aacccttcat	ttttcgatt	cttcgctatt	attcctgttn	ncnnaattc	atattgtgat	60
cttgaaacct	cagatcgaga	tctctaagca	cctcagcatc	aactttccgt	ttagcctctc	120
tttaaagatc	tatcggctct	aaactgggaa	atcgctctcc	tgccctaaat	aatgcaaaaa	180
ctactacggc	ttccgattac	gataacaatg	agggagaaaac	ccatgctgtg	actgacattt	240

ctatatgca agtctccacc aagccatcat agtcattact cttccaatat catcccatat 300  
 ccttaccacc acccattatt cacaaaggcc gatcctaaat gtaacctaca aaccaccta 360  
 ccacacaacc aatgctaate accctcttta tcactaacca aaacaccaac caaaaggaat 420  
 tttgatcata tagcctgtaa gatccacccg aaattccggc gtatatgctt acttgggttc 480  
 atatctactc aataattcaa tggatcacta tccctgtaag gttccaacct cccttctcca 540  
 tgaaacatct gacacacatg tctattcttg aggcc 575

<210> 7792  
 <211> 470  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7792

cgagatcctt aagtcacctg acgcatgcaa gcttgaagg accactcaca tttttactcc 60  
 cagtatctct tctaacaaat tctttcttcc tacacctata ctgaccgctc ctttcacaac 120  
 caattaacac aatgaactc cttcctccac taccagtctg tgtgtcagac cttataatga 180  
 ctgcaacaaa tctattttca tgagcaactg atcgagccca ctgcaaaaaca tcatctcggg 240  
 tatcaaacac ctacaacgta acccaaaaaca atttagtttt ctacaacaca ttcatntat 300  
 caaatcactc acaataacga acattattac ctaagaagta ttaaacgcat ccgaacaatc 360  
 aacatgtggt tcgttcacac cacatncttt gtcatttgat catccatata aacttcttct 420  
 gacttatatt gcatacatca tcgacttcgt catctaaaac aaaaaatttt 470

<210> 7793  
 <211> 347  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7793

acattaatat tgattaggta accagtgact cagcgagtaa gggctctctt cgccaactta 60  
 gtggagggtg aactaactcc cttgccaata ccaccaataa aaacacgaaa ggcaatatga 120  
 acaaactttt aaaaataatt ctaaaagtaa aagtaacttt ttaataaata aaaagtttat 180  
 ataaattccg agagagagag agagaaactn anagaaaaaa cggaggttaa cattacaggt 240



taaaaaaaag tcctaatacca gaagcagagt ggaatactga aatgtattaa gaaccaaaca 300  
aatagcaact tgcctttgca catacaggag gttcaacatg acataat 347

<210> 7794  
<211> 317  
<212> DNA  
<213> Glycine max

<400> 7794  
agcgtctcaa tatattacgg gactcaatca gacatccgag taaaaagtta tcttcgtttg 60  
aattagctct gaggttcaga attcaatttc gagcgtctag atatattacg ggactcaatc 120  
agacatccga gcaaaaagtt attgtcgttt gaattagctc agaacttcat aattcaattt 180  
cgatcgtctc aatatatttc gggactcaat cagacatctg agtaaaaaag gtatggcggtt 240  
tgaatttgct gagagcttca acattcaatt tcaagcgtct cgatctatta cgggactcaa 300  
tcagacattc gagtaaa 317

<210> 7795  
<211> 535  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7795  
taattacttc ttatcgggggt actatctata ttgtaaaata taannnnntnn aattttgatg 60  
aacttgaagc ggatctaagc actgagctgc aactcatata tcctatttga tttgagagat 120  
taatgggttaa ttcaatctaa aattttaaata atcaagcatt taaatatatt gacccactg 180  
tcacttttga ctgccagaag ggggggttga aggttcacaa taaattagct tgattcataa 240  
ctttgaaata ccaaagcaat taccaactcg catgattctt atttccttgg attaataata 300  
ttgtttgact atcatacttg ccatgaaaac agtcacgttt ttattcttgc tttaaaaata 360  
ttgggatcac aactatttct attaataattt ttgcctctt accaaataaa aaagatatct 420  
tgcttgtgct ttggtaacaa gaaaatatat tatactcttg ttgcgtgtga acgtgaatgc 480  
cccataagt atttaactca ttgacacact ggattattat ataatccact cttct 535

<210> 7796

[illegible][illegible][illegible][illegible][illegible][illegible][illegible]

<213> Glycine max

<223> unsure at all n locations

<400> 7798

tgagatcatc tgagtcacct gacgctgcaa gctttattta tttcatacag ttaccgttgt 60  
aatcggacaa aattgtagct attctttttt agatatggaa aaataaaaca ctagtggttaa 120  
agctagtgtg ttggttgaat gttttctcat gatgcagaaa ttattaattg attntggcat 180  
ccatataaaa ggagaaacaa aacatagaga aagtcaacac agatcaaggg ggctgtattc 240  
tgatttatct tacactctat taaagcatag taggacatag ttgaagtttc aaagggacgt 300  
catataacat gaaccgcgtc aaaatcatta tgttattatg cat 343

<210> 7799

<211> 293

<212> DNA

<213> Glycine max

<400> 7799

acactgctca ctatcgatgg cgatgttcta cgtttctata ttattattat tattattatt 60  
attcagctat ctagataaaa tgaatatcaa ttgtatctaa gttaatcgtc taagcttttt 120  
acaagatcaa ggaattattc tatgcaataa aataattgtc ttacttaaaa gaaagtgtta 180  
atagtgttga tacattggag caatcattga aaatttgcaa acatggatta actaaactcc 240  
tctttttctc ttatggatga aatggataaa ggtctatttc cagggatgtc act 293

<210> 7800

<211> 329

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7800

agcttcanac ttcattccat ccagtcactt tctcttttct tcactttcca tggcctctct 60  
aaagcactca aattctctat catctgtag gatcacatac tcattaggag aatacctctt 120  
agaaaggtgt ctctcccagt tggacctcct aagttgaact tgaggtgatt cggtagcctc 180  
accgagaatt tcatcttggtg acatgtcatg ctctcttcca tcatcatcat caataggaac 240  
atatacctca tctccaggtt gttggacacc aacatcattc tgaacatcaa tattcaaatt 300

ctgaataggc ggctaaacta gttgaaaat

329

<210> 7801

<211> 276

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7801

agctngcgct cattataatg agatggaggg agaatctgcc aagacgtcat acactatatt 60

tatcatcacc tgaatattta tataatgtgc ccccttgatt cttttgatag ggacaaaaat 120

gtatgaattg aaatcaatac attatatnta atctcattgg tttttacttg ctttcctga 180

tcagcaccca tccttgagag atcagcncga gaaataaaga ctcacctca taccctatga 240

tctacaatag ttatgtttgc catatgtttc tcattg 276

<210> 7802

<211> 262

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7802

catgcaagct nntcatttca tatttcgacc atctcgaata ttaccggact catccggact 60

tccgtgtata aacttattgt caattcaatn ttctcagagc ttcggatcaa aattttgagc 120

atcttgatat attacgggac tcatttagac atccgagtaa aaatttattg tcgttagaat 180

ttgatacgag ctcccgtttt caatttgag catctcgaga taaaatgaga ccctctgtcg 240

ggcatcccg aaaaacgtta tt 262

<210> 7803

<211> 125

<212> DNA

<213> Glycine max

<400> 7803

tgtgagcata gtttccaaac cttatagga aaataggcga tcgctccagt gctagttttg 60

cttaacctga gagaaccctc tgaggcgat tgtgatgcat caaagatggg cttaggacga 120

ctggtt 125

<210> 7804  
 <211> 356  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7804

ataaggtctc gattcaagag gtggattcaa cggaggaaga gcatatcacc tgtacttacc 60  
 aaaatntgga gttggcacat gtcagagtgg acgtgggtaa cgtgcgctcc taaacttcac 120  
 atgttggact gatagtgacc tttgttagaa ggacaagagg ggggacttgt gtaacaccct 180  
 aaaatatcgc ttattataaa tcaatattta atatatntat cgnngttatt gattatatga 240  
 ttgacttgaa tgagtttagg tatggtgtga attaatcatg tgtgaatttc ttgatgtgaa 300  
 tgtcgagtta tgtggagttt attgacctaa gttgaaatat gagaattaaa tttacc 356

<210> 7805  
 <211> 495  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7805

ntgaccctg agctcggctc ctntcatgca nctgcggcat gaagcmttgc ttcctattct 60  
 tctctgattn ntcttttctt gctgncagat gccctttgtg tttcaacttt attctttaaa 120  
 caattacaca ttctctctct ttggctaata atccgttggg attacacggt tctccaattt 180  
 ttttatttaa tggaaaaaag aacctttcag cacgtaaagg ctgtttttct ttttacccca 240  
 cccacatcca ctttacaatg cttatcatta gatttgacat gccacatcta ggagcttctt 300  
 atacattacc ttttttgctt ggaaatacac ctccctttct atattatcct cctattcaaa 360  
 gataacacct tccacttact gactccatct ttttttttgt ttgtatgtac cgatactcac 420  
 accccctacc tttcttttgt cctttcaaca tacattttct tttcttttat tcacatacat 480  
 cctacctgct acacc 495

<210> 7806  
 <211> 204  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 7806

tacattcctg ggaatggttt tacaaaactt atatcaaaag tggtaatgtg atattcccaa 60  
gtccacattc ccaggaagct tgctcaacac accttgaaac aagaaccacc caaatgttca 120  
aaacttacct accaatttcc aacagactca aatcanacag acaaatgcag caatttgcaa 180  
taattaattt acctttaaac gatg 204

<210> 7807  
<211> 332  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7807

agctagagga aacccttcgc attgtacctt ttatttcccg caaaacccaa aactgtctca 60  
gaaaactatg atcctggatt tgtaaccgc tggattatat tcgaattgng atatgttggt 120  
agaaattcaa ttgcacaaac tttcactggt gggatttgca agataatatt tgtggaggga 180  
gaaaaatgaa tcacatgaag atagtgaag tggagacttc aattccttct cattctctcn 240  
taacgttggg gaccctatca gagcaaccag aggaatctca agaacttggt atagatgtct 300  
ctattcgctg cggaagacat gtgaaccgc tt 332

<210> 7808  
<211> 347  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7808

agcttgatg ctngcactag ttctttggct ntacacacta actcagacaa aatggtgacc 60  
caatatgctt ctcaagtcaa gaaaaccatg gntacattca tcattgactt ttggacaagg 120  
aattcaggga agtaacaact agttgcaagt aaaacttaca tattcttagg aaagaaatga 180  
gcttgtaacc ttggaataga tctatcttct acccaaatga gaattttgag agcagctcta 240  
gtggcattgg attacatgtg tcaatcgnag accagacatg acacataacc cacaccgtag 300  
gaaataacat caagcataaa tacaggaggg agttgatgtt ttatttt 347

<210> 7809  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7809  
  
 agctagacga aagtagttga gtaatatatc atacttcaag agnaaaaatt actcaaccta 60  
 tanttgtgag tcatgatnga aatgagaatt tgacaaaagt atcgaattac tcgagtaaca 120  
 taataataag tatggttttc acaagaattt gtgcaataat taaataatta atagtaaatt 180  
 agatattgac gcgtgcaatg catagattaa gaaatatgta aatcgtatga ttagaattag 240  
 aattatttaa ataaataaat c 261

<210> 7810  
 <211> 88  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7810  
  
 agctcgtaat ggtaagataa gagcatcaca cagtcttcta ataagtataa gaaaaactat 60  
 aagtataaaa taaagtagat gtacccta 88

<210> 7811  
 <211> 443  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7811  
  
 gagatcattc ttctccacgt aaggcgtgta gggagactca aaccctataa cgggatgcgt 60  
 cggctcaaag ggctctcaaa agaagtaatg ccaggatatg ccatgtggct agaggcctat 120  
 aataacataa ttgcctaaac catttccaac aatgcatgtg acacttgaca catatccaag 180  
 taactctcaa ttgctctctt ttacacaagc actaggtgtc tatectctcg aaaacatata 240  
 tctttctcct ttactctaac gtcgaatatt gaatecttac tcttcttctt cttcatgat 300  
 cttccatttg ctttctacca ggtgatcctt ctctcttttt ctgcaatttt attctttact 360  
 ctectcttac cgtccatttt atcttctatt ctaccctttc tcgctttctt ttttcttctt 420  
 atttcatttc tctctctctt gcc 443

<210> 7812  
 <211> 131  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7812

agctcgaagg tgttgaaatc tcattcttcc aaattctttt ctcacaaata atctgtctca 60  
 atntagccaa tgaatacctt tattatgatt gctgcgcttt cccacctgag aaattcatat 120  
 ttccctaatt c 131

<210> 7813  
 <211> 508  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7813

cggtcnattg aaccatctgc actcgggatc cggaatacta taagcgctg cggttcagc 60  
 caatggcttg cctgaccaat ttctatttat gacctttgaa ccttgatata ctttccttgg 120  
 tttgaagctc actacaagcc ttaagtggac aaccatgata ttaccatatt cttgaggaat 180  
 ttttgagctt tgcaaatggt ctgcgaataa gtgcgggggg ttatatgttc attggacaac 240  
 ttgttttgtt ggctatgcat catgatgtat ttccgggcat tcttgatgga cattgtatat 300  
 taggtaaattg ttggacatgc tgaaagaaaa gctgtttctc acaagctaca acaaaaaaaaa 360  
 gacagttcgg ataaaaatta gaataaatac tgagcagccc ttccgttgcg tgaatggaat 420  
 cctaaatggc tcaacaacga cgaaactctt aggtcttcct ctcaagaaaa gatctgatct 480  
 gtactaagtc tattgtcata tttggacg 508

<210> 7814  
 <211> 458  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7814

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 cagtttaatc gattaccaga agacaatttt aaaaatcaga ttttaaaaaa gggttttgaat 120



tagaatttcg aatcatgtaa tgcattacta gatgtttgta atcgattacc agcaacgaca 180  
 cttcagaaaa aactttgaaa agtcatgacc cttcaaaata taactgtgta atcgattacc 240  
 agtgaagaat tttagaaaaa gctttttgaa aagacacata tcttcaaaca attttcaaaa 300  
 ggcacaaagg gcctatatat gtgtgtctgc attgtaaaat caagagagag atattctaag 360  
 agaacttaat tgccaagtgc tctctcaaca acttttgga aaaacacttc caaatctatt 420  
 gagaattcat ccaggaactt caaantgtat tatcatct 458

<210> 7815  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<400> 7815

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 attcttcacg gaaaacgtta cggaaacgtt tcggaagcgc ctcggcttag attttcttca 120  
 cggaaacgaa ttttccaagc caatttcaaa gagagagaag tgccaaagg gctgaacccc 180  
 ttccttcttc acttctctcc ctatttatag caaaataggg gaggggtgtg ccgcccagct 240  
 cgcccaggcg agctcagctc gcccaggtga gcc 273

<210> 7816  
 <211> 444  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7816

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 aatgcttgaa tttgatggtg tcgctttttt gaatgattta ggtttttttt attttgttcc 120  
 aatatgtctc cttttgatg acattgttgt tgttcaatct atgctatatt tcatgattta 180  
 atttacgggtt ttattatttt aatttatgca ttttagaatt ttgcttattt atgttgaatt 240  
 taatcacgtt taactatgat agcttgatga tgttaaaatc tatcgaaatt gttaaaattg 300  
 tgcttggttag ctnttgatt gttggacata tgacatttga aattaggttt tatgctatgg 360  
 attgaacttc acctaggagt nttgttcttt ttgtgtgatt cattntacat tcggtaaatg 420

acaatgaana caagtgatta gagt

444

<210> 7817  
<211> 470  
<212> DNA  
<213> Glycine max

<400> 7817

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cattgagcaa caaagcgaga gacgtcatct tgaaggccgg gccataaaa attgggtcatg 120  
agacgagcca cggctcttggc gacgccggcg tggccaccgg tgggggtggc atgatactct 180  
gtcagcaggg tgggtgatgat ggggtatatcg gaaggcaacc agatacggcc tttatacaac 240  
agcagtttgt cagcaatgga gaactcacgg tgggtggtcgg gatgattctg aacatcaagc 300  
atcttttctg gaaaggctga attcgtgcgt gactgggtcat ggagctcatc taaaaaagtg 360  
agacaaggga cggagagaaat gagaaaggct tgagaagctc ctttcggtaa cctagataag 420  
gcatctgctg cctgattatg gctccctgag cgatactgga tatgataatc 470

<210> 7818  
<211> 412  
<212> DNA  
<213> Glycine max

<400> 7818

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agactgtgac tgtcaaatta gatcaaaagc aagcacgaca atgctacaca aaaagcttaa 120  
agggtggcacc ttatcctccc accaaggagc ctaccaaacc tcaccccaca acgaatggta 180  
ccactcaagt catgagcatg gacgaaggat ctccagtcca agccttgact atcttccaag 240  
taagcctgga tgatgaattc gatgtagatc cgcgtgatga cacttttgac agagtcccaa 300  
agcctattga aagcttgta agctacagct taaatccaat cttgagcaat ctatgcaact 360  
cagtagggac ctcaccaacc ataagcacag acacatagtt gatgtcctac ac 412

<210> 7819  
<211> 347  
<212> DNA  
<213> Glycine max

<400> 7819

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tcaaggaagt tttctcaaag aagcttctca aggaagtttt ctcaagaag cttttgaacg 120  
aagctaccta gtctataaat agaagcatgt gtaacacttg ttgcaacttt gatgaatgaa 180  
agtcttatga gacacacttc aaagctccac ttctatccct cttttattcc ttcaatttcg 240  
tgctcccccc ttctctcttt cttttctctc attaaagcat gctcttcaag cttcttatcc 300  
aaggcaattc ttggtggtga agctccttct tccttggtt atgcct 347

<210> 7820

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7820

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gaagtccgat tcaggcgcat aatatattga gacgctctcg tgaaattcac atggtcataa 120  
cttttactc agaggtccga ttcaggcgca taatatatcg agatgcacat aattgaacaa 180  
cggaagctct cgagaaattc atatggtcat accttttaac tcggagtct gatctangcg 240  
cataatacat tgagacgctc gaaattgaac aatggaagct ctcgagattt caaatggtct 300  
aactctaact cggagggtcca atcaggcgca aatatatc 338

<210> 7821

<211> 343

<212> DNA

<213> Glycine max

<400> 7821

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aataagctcc ttgtgaagac ttcctataag gatggagatt aatagatttc tttctaaaca 180  
agctcgaca tgagtgttat acaaaccaat tttctcaaat tctttaagct accagagtga 240  
ttactctctg gtaatggact acctgttatc agtaagcgat taccagttgt cataccctaa 300  
tttcgtgcgg cgacctgtgc tcgatgacat gcgaccattc ttt 343

[illegible]

agcttctctcc	ttattttcaa	cttgttcttt	tctggtgctg	cgctcctcca	cctaccacaa	60
tatatagcat	atataattag	ctacaaaaca	ttcttcatcc	ccgttaatca	cattttctcaa	120
attgaaacaa	acgattagga	cttcagataa	aaaaaaatag	aaatagaaga	tggacaacta	180
atctgtatga	gagaacatgt	gaagtcacta	gtgatgtgca	taagtgaatt	caagaatcaa	240
caagtagcaa	gattcaagac	at ttgagtc t	ttaagctctt	tctccccata	ataacctaaa	300
cgagatttta	aattgttatc	gtggttgcaa	ttttgttaca	attctcgata	ttgtgaaaag	360
aaattgtaga	tgcgtcttta	ataaccataa	tggtacagac	gaaatcgtag	ttatgaaccg	420
tattga						426

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<223>      unsure at all n locations
<400>      7823
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ttttctattn	tttttgaat	tctttttccg	taacattacg	aaactttatg	aatttcgtaa	180
cgatacttat	tttccttcg	caagggtacg	aatccttacg	gattatgtat	ttactctctt	240
ttggctttca	aagaagttac	ggaaactcac	ggattgcgca	aaaacacctc	ttttcgattt	300
ccgccacatt	acggaatttc	acggattacg	caagcctgct	ctcttttgga	ttgttgagac	360
gtctcgggac	ttcatttatt	gcatgtcatc	aagtaataat	ccccg		405

3329

<223> unsure at all n locations  
<400> 7824

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caacacggat atggctcctg atcggaacca gttcagagt atgaccaagc gagaacatga 120  
gtccattaaa gaatatgccc aaaggtggag agatctcgca gccaagtcg tcccgcccat 180  
gactgagagg gagatgatca caattatggg agatacgttg cctacgttct actatgagaa 240  
gctgatagga tacatgccag ctaactttgc agacctcgtc ttcgccggag aaagaatcga 300  
gtccggactg agaaaagggc aatttgaata tgcttccaac gttgccccca acaacaacag 360  
aagagcccca gtggtgggag cgaggaaaaa agaaggagat acccacgcgg tcaccaccgc 420  
cccaacatgg atgaaagcgc cccaaatg 448

<210> 7825  
<211> 438  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7825

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tggttttttt tactagcctt gtatttttca cttgtgtcaa agggaatttg ttattctcca 120  
aaccttttta taacttcttc tcttgatgaa actattcttt taaaacgctc agacaaaccc 180  
aaaagagaaa gaaaaagggt tccactttta agaaaaaatt tacagacaat aatttaatca 240  
gacaaacctt tttcaaaagg gctttcacgc gatcatatgc ttctctaagg agtttcacaa 300  
cctgcagaat aggtagaggt gtatgacttt tatttttgat aaaacatttc ttagaagagg 360  
aagcaaataa tggaaacatg atattcttag ttaaagtata taaattcaca acacttgcct 420  
ctgcatcaat acgtgact 438

<210> 7826  
<211> 418  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7826

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gattggatta aataaatttt taaggggttg aataaatatc tactctaatt aattttgatt 120  
aacatttaca gttaaagtta accattcaca ttatagttta acgattaaaa tttcaacaat 180  
tttghtaattt cctttacata ttaaagtatt ttataatgat tttagttatt agttcttaat 240  
gttattaaaa agtcaaaaata tcatttgatt gcaaacttgt aaactaaatc taaattttct 300  
taaaaaatgg acctgacagc gggaggggat ttataacat acatctaatt tattctctgt 360  
tcaatgtaga aaatgcattt tgattagatt gcgcttcaat agtgataac taaaaaat 418

<210> 7827  
<211> 444  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7827

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cttgtaatt aataggaaac acttttttgc aaccaacaa aagaacttat cttcgacttt 120  
gaatggagca attcttgcca ttgcttgatc acctttactt gcaaagctag catagattcc 180  
ataggatgac taattagctt ctaccatttc aagttttcca tcttcattcc aaatgaaaag 240  
cttctgatga aatgttgatg gaactgctcc tactccatgt atccattctc ttcccagtaa 300  
catgttgaag ttagcttgca aggaaatcac tanaagagtt gtaagtcttg atggaagggt 360  
gcttggtcgg cttctatgga ggctggatct ttgagcttca atgaggtcct ttaatggtga 420  
ttntcaccat ggagatgtag cgga 444

<210> 7828  
<211> 465  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7828

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tcaaggtttg agaagtgaat atgagaatgg ggtaaatttg gagcaaactc tcacctcaaa 120  
caaatctata tcatcaatct aaacttgctc aaactggttt tacgacaaaa actctaccga 180  
atcaaaattt gactcctcaa cacccaattn taccctaaaa atggctcttg ccttcacttt 240

[illegible]

agcttntagt	atgtttaaga	atttatttca	agacttttgt	taaagctata	tctganaata	60
ataaatcact	ttgtgtaatt	aacatgaaaa	atgtatcgat	atgggtcaaag	tgaataatta	120
catctttaaa	gatgcgtctt	tcactttaaa	acgattgaac	cctttctttc	tttctttctt	180
ttttgtgaaa	gatgacagat	tcaacggccg	acacaataga	cataaacttt	agaacaatta	240
tataatgatg	attgttttgg	atatatcaag	ctcaaacaat	ttgtagtggc	tcttctttta	300
tagaagaccc	ttcccaaaga	gaaacaaagg	atctacatat	gtcatagnta	agttggagaa	360

gaagattact ttcccaaatt gggggtaaag atctagtata tgtgaccgac actatg 416

<210> 7831  
<211> 339  
<212> DNA  
<213> Glycine max

<400> 7831

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gagggcgtgt agccctctca aggcgaggac atgtagtcct ctggaggtaa gggcgtgcag 120  
ccctctgatg gtgaggacgt gtagtcctct caaggcgagg acgtgtagtc ctatgacggt 180  
gagggtaact agtaccceaag gtgagggcgt gtagccctct caaggcgagg acatgtagtc 240  
ctctggaggt gagggcatgc agccctctga tggtaggagac gtgtattcct ctcaaggcga 300  
ggacgtgtag tcctctcaac ggagatggta aatattacc 339

<210> 7832  
<211> 421  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7832

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aatggccctt tagatgaaga agtttatatt cagcaactcc ccggatatga agtcataggc 120  
agtgaagaca aggtgtacat acttagaaaag gctctatatg gactaaaata ggctccaagg 180  
gcctggaata aaagaataga ctccctttcta catgggtgaag actttaaaaa atatattgta 240  
gagcatggta tctatgtgaa ggcaactaag gatgggtggag tcttgctaata atgcctatat 300  
gtggatgatt tgctgattat agggagtaat ccagctgaga tagaaaagtt gaagggcaat 360  
ctcaaactctg aattcgagat gtcagaatta ggcttgctat catacttcct tggatttgag 420  
t 421

<210> 7833  
<211> 446  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations



<400> 7833

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aaaatttcca atgaaagcaa aaaagaaatg aaggaaaatt cccaatcaa agagtgggag 180  
aaagcaaaaa aaggaaaaga aggaaaattc cccaatcaa gagtgggaga aagcaaaaag 240  
aaaagaaagg aaaattccca atcaaagaat gggagaaagt aaaaaaggaa gaagaagaag 300  
gaaagaaagc tcctgatcaa ggatcgaaag aaaccagaag aaatgtgcag agaggtcttt 360  
ggaccagaca atatctgaac agtacagaat tgtcccaaat gaacganana agaaggaaag 420  
ggaaccacga cctaaaatag tcttct 446

<210> 7834

<211> 421

<212> DNA

<213> Glycine max

<400> 7834

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tgctttccaa ctgattgttg taccaaaca agtaaacaca tatcctgtta aagatttcct 180  
tgtgtctaca tttctgcaa aatctgcac tacataacct gtgattgctg cctcatatgc 240  
tgtcttcttg taccttaatc caactttcga agatccattt agatacctta gtgtccactt 300  
cacaacttcc caatgtgcac tgccaggatc tcccatgaat ctgcttataa tacttacagc 360  
atgagctaag tcaggtctgc tacaaccat tccatacatt atgcttcaac accactggca 420  
t 421

<210> 7835

<211> 300

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7835

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acataacttaa cgtgggtcgt ggcttgtggc tcgtcttgac tcttgagaga aagggctctg 180  
agagagaagg gttcaaagag gcagcggcga tggagagatc tggcaatgga ttgcacagtg 240  
gcatggttgt cataagagag ggcgatggcg aactggtgga gctagagggg ggggggggtct 300

<210> 7836  
<211> 458  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7836

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actctgggcc ttctattagt cccaataaca acattctcgg tagaagaggt ggggtgccct 180  
gacgccggtg ttgaagccga tgctcccaca gcattagacg gctcaaccat ttgaaacgtg 240  
gacgttgccg acgatgaatt gaacttatcc atatcaaggt acatggacag caagtcctcc 300  
tcggcatcat cggagaagga aggaccatca ccacctcaa caacaccaag gtcactgtcg 360  
aaactaatat catccggtaa agtgagaatc tccgaatgag cacgcctatg acctctatct 420  
ctcggnggat tatcaggcat tctgctaata tcatgact 458

<210> 7837  
<211> 340  
<212> DNA  
<213> Glycine max  
<400> 7837

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tgcgatccac tgttcttgat atttcttctg gcgaacggca gctctacaat taatctatct 120  
gtcccatcca ttatgatcca ccattattc tctactaggtg caagtattcc gcttagcgcc 180  
aatgtcagca aatgtcaata cttttcacga attcatcatt ttattattct atttttttca 240  
agctacagag tccgaatctc ttctgtttgg gtttaaagac tcaagctttt ataaaggata 300  
tttggcgact gtgtatgcat tatccaattc tcattttctc 340

<210> 7838

<211> 389  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7838

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 aaaatcataa ataagtcata accaaaaata taactccaaa ccagtcataa attcacaaag 120  
 acaccattaa aaatccaagt cattaaaaga ctaaaagtcc aacataccan aaagataaat 180  
 aaagtgcaga anatgataac ttaaatacca tagccaaaat acacggctct aaaaagaaaa 240  
 tataaactaa actctaagaa ggtggagggtg gtgggtggaag atcgaagctc tggcgaatat 300  
 aaccacatc ttcttcaagc tgtgtgagac agatantcat tctggcaaag cgaatatcca 360  
 atgaatcana acgttctcca acataagta 389

<210> 7839  
 <211> 451  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7839

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 gaccttcaat cctatcacgc aacgtggcag acaaaagtgg gcagttaact tgaatgacca 120  
 ttattgtcaa tgcggaaagt attctgcgct tcaactatcca tgttcacaca ttattgcagc 180  
 ttgtgggttac gtgagcatga actactacca atatatagat gttgtttaca caaatgagca 240  
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 ttctgatgac gcattggacac ttgtccctga cccaactaca attcgtgcga aaggctcgcc 360  
 aaaatcaaca aggataagaa atgagataga ttggctcgaa ccatctgagc accgacaaaa 420  
 atgtagtaga tgtggaacag aacggcacaa c 451

<210> 7840  
 <211> 353  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7840

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 aggggggttct gtgggtttga gcaccacaaa gacttttagc accctagtag caatagtgt 180  
 tgtaagggttc tgttcgagcc acacttcgaa gagcagtgt ggggggttctg tgggttcgac 240  
 tgaggggttt ccggcactat tgaaaacaat gtggaaggag gagggcaagg ttttctaggg 300  
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<210> 7841  
 <211> 517  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7841

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 ttanatggcc gaaagggaca agtcttgggt ggaatgcatg gctatcaagg accaaatgaa 120  
 ggcttgtcaa aggtcgaaga gaagtttgac cgatcacttt agtagaacia aagaatatat 180  
 gttcacattc attgaccagc ataatgagaa ggtagaccta gctgctgacc atgggccaag 240  
 actagaagac gatcatgcca cagtatcggc tctaccaatg gaatgggacg caggagagag 300  
 agtgattgaa taattgctct gcgaggcgat gaactggatg gatagattct ctctcactct 360  
 gattgggagt gaagagcttt caacgctgtt agccacagcc aaggcaatgg cggatgtata 420  
 ctcatctcgc cgatgaaagt catgggcttt ttgatcatct ccgacacatg atcgagggtga 480  
 tgtccacat gcatatgaac cactgatgcy tttgacg 517

<210> 7842  
 <211> 205  
 <212> DNA  
 <213> Glycine max

<400> 7842

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 aaacatcaaa gccattgca tctacacatg tgttctccac cttcgagatt ggagctatgt 180

ctcacgattg cctaagtgcg gaccc

205

<210> 7843  
<211> 403  
<212> DNA  
<213> Glycine max

<400> 7843

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cactggtaat cgattaccaa aacattgtaa tcgattacag ccttttgaaa atatttgga 120  
tggttgtaaat tcagtttgaa aacatttcca aacttatttc gctactggta atcgattaca 180  
acaatatggt aatcgattac cagagagtaa aaactctggt aaatgttttg tcaaaaactc 240  
atgtgctatt caaagttttg aaaaactttt taagacttat cttgattgag tcttttcttc 300  
attcttgaat cttgagtctt gaatcttgat cttgattctt gagatcttga atcttgattc 360  
ttggtttag gctttcttca tgagtcttga attcttctta ttc 403

<210> 7844  
<211> 386  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7844

agcttcatta agaggcttcc tctagaatct tcctcgtggc ttctttgaga agctagatcc 60  
ttatctattc acaccctctt attaactaaa ttaacctcct taaaaataat tacggatgaa 120  
aataacgcag caaataatca aacatcaaac ataattacta ataatatata tatatatata 180  
tatcagggtg ttacaccacc tatttttaggg acttggtgcc taataatacc tattttgggc 240  
accaacaaag cacaaggatt taagctcttg cgaaacanac cctcatccaa caacttcttt 300  
acttgaggaa taaaatcaag cccaagaggc gtgacaatgc tagcaagtgt ctttttacia 360  
aagagaaaat gtggagggtg tctaag 386

<210> 7845  
<211> 299  
<212> DNA  
<213> Glycine max

<400> 7845

aattaatact attaagttct cgttgggcag acaaataaaa tagatggcac aacataaatc 60  
 tgttacgcgt gtacgataca atcgtgacat aatcgacaac acataacgac atgcatgcgt 120  
 attaaagttt gagcagcaca ccacattgac tgacttgact acacattcgt taggaatcat 180  
 atacacgaaa catgttcacg cgtgtctatc ttgttgata aaagtgaggc atcttctgtg 240  
 agaccatggt gtatctgaga ccgactaata gtccacatat cttgcttcac atagtctcc 299

<210> 7846  
 <211> 330  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7846

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 gccgctacca gcaactgttg taaggtgaac ccgatgcccc catctggcct caaccaaattg 120  
 aatcatccaa ccttagctat ggtaggcaaa agattgggaa gtatgaatgg ccccatgatg 180  
 tgcaaattca aaacgagcac gccttcccg ccatatggctt gcctcccaac ttacaccagc 240  
 caatgtggcg tacacttcca atgagaatgc aataactcca ctctatact tatngagagc 300  
 caacaacctc aatctgatca tgcacatgtc 330

<210> 7847  
 <211> 393  
 <212> DNA  
 <213> Glycine max  
 <400> 7847

agcttgaagt tcaaccttga caactatgag gcattaaata tatacaacta taaaagaaat 60  
 agatgaaaat atcaaacaat aatattacac aacctaaaag tcataaccta tgtttact 120  
 gaattcaaat agactcttga gtgttagggt cagacatata ataaacagag aaaatttcta 180  
 cgccaaaacg acgatataata aaaactattc atatctcttc acttactaac aataacattt 240  
 ttccgagggt gcaatttggt cctataaaaa atggactcaa accctaccta agttttgcct 300  
 tcatcaaaga catattgtag gtaatttaca tagcagggga ttctattcac tgcttctaag 360  
 gatggggtgg tctaatatga agcaatcaag aaa 393

<210> 7848  
 <211> 417  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7848

agcttgttga cacgcggaga ttacgtcat cttctacgt ttcaagatct gncataactca 60  
 aatttgagtc acgctgacgg gcggaaatac ccgagtgggt atccgtataa acattctttt 120  
 ttgctgtctg taagacgaaa agcctgatag caagcagaga ctaacgtcgt tttctgcgcc 180  
 cttcgtcaat cgcggccgac aagtcccggt gacacgcgga gatttacgtc atcttccgcy 240  
 cacacaagat ctgtcatact gacatttgag tcacgttgac gggcggaaat acccaagtgg 300  
 ttatcgcata aactttcttt ttgctgtctg aagacaaaag cctgatagca cgcagagact 360  
 aacgcgtctt ctgtgccttc gcaatcgcg cgcacagccc attgacaccg gagatta 417

<210> 7849  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<400> 7849

tgctctttac caagtctgga tcttctttgt atatgcattt gatgattggc ctaactgcaa 60  
 atcctaattg gcacagacca tgcaatattg gccgcgagaa tctttggaac aacgttaaatt 120  
 ttaaattaac tatccgaaca atgaattcat ccatatgata gaaaatgacc ccaaagaat 180  
 ggtcacatac aaactgatgg cgtttatctt aaatggacat accactatg 229

<210> 7850  
 <211> 457  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7850

agcttgtgct ccaggaaacc actttttatg atgatcaaatt gaangcaaatt tttctgtcac 60  
 taatgcatca ccaattgaaa aatttgaatc actaaaactc caagcaagaa tcttagcact 120  
 gtctattatc ctccctgttg aataattatt tgatatcagt agtgatgttt ttgtttctca 180

actgggtggt gacatcagcc acaaacagtt cacttttctt ggttcctgat gctgtagtag 240  
tcttcgtatt gtgaaatttg aaattaatat tgttgcaaag gcagaacaat ggaaatttca 300  
aaatatgaaa gtgcgaactc acatgtggaa atctatcaat gaattttgct gcattagcaa 360  
cttcagtggc agctctgatt tcttcatttg ttgccccatc cttaccatag gcaatgtttt 420  
ctttgatgct gcaactgaag agtattgggt cctgact 457

<210> 7851  
<211> 272  
<212> DNA  
<213> Glycine max

<400> 7851

gactcacacc aaacatgtat gtgtagtatg ctttcaacaa attccttcat aaataattac 60  
cataatgcat aaacctagta aaattaccca tcatatctcc caaaaccag taccacgaa 120  
aatttatgtg agaagaagtc tacccaaacc tgaaatttga agtcccacaa tgtagagggtg 180  
cgcttcacga ctccaaaaat ggcttccttt cgcgatttgg agcagaaatg gtgagcaaag 240  
gttggagctt tgatggagct tcaatggtgg ag 272

<210> 7852  
<211> 338  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7852

agctntgagc aaattcaaac gacaatttct ntttattctg atgtccaatt gtgtcccata 60  
ggttatcaag acgctcggaa ttgaaaacgg aagctcttag aaaaatcaaa cgacaataat 120  
ttttaactcg gatgtgcat tgagtcccat aatatatcga gacgctcata attgaaaact 180  
aaagctctga gcaaattcaa acgacaataa cttttgactc gaatgtccga ttgtgtccta 240  
taggatatcg agacgctcgt aattgagaac ggaagctctg agaaaaatca aacgacaata 300  
actcttaact tggatgttcg atggagccct gtaatata 338

<210> 7853  
<211> 453  
<212> DNA  
<213> Glycine max



<223> unsure at all n locations  
<400> 7853

agctntcacc ccataattcc nccaaatttg ggctaatttt ctttgaacca aaatttcctt 60  
ttatgaatga tgctctccta caacctaaga caagttagaa ggagataaac tgtacaggct 120  
caaggttcaa tcatacaagg gataaatcaa tcatgcagaa ggtaagcttt ttcgctaaat 180  
ggctatcttc aatcaaaaaca cggccttcat cctcttcaaa ctcatgtatt cattccatac 240  
tcatagattc atgcagaaac cattacttac tgctagtcgt tctctcgcaa ttaaagatca 300  
cactccaccg ggttgcggtt aatgcattcc ttcacaatca acctgacaaa ccaactaaca 360  
ttntcagtca taatccaaat tccatattct ttctcttcta ataactgcat gctcattcaa 420  
ggcttatgat ctgcgcatth cagttcactc aca 453

<210> 7854  
<211> 407  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7854

agctngcacc aacattcagt agttcaatac actcttaaca aatagtcac atccatccac 60  
aattccaatc attcatgctt aatatgatgc atgcacctga cctcaactct catatgcaat 120  
gtggtaccat cccaaggaa gtagcctaag cgtgtccaca tgacactctc acttaggaaa 180  
actaggaagt aagtgtcgag gtcaccctat cgtggacagg aaactctccc cccacatgg 240  
tgatcagcct gagtctcaag ggagttccaa accgagtgat atgcccccta gtacaagtat 300  
tctctctcac aagaaactat aattacttac taacaaagtt tatactatct ccatgtcata 360  
tgaagtatga aacacgggca ccatcaaag cactaaacgt ggataat 407

<210> 7855  
<211> 427  
<212> DNA  
<213> Glycine max

<400> 7855

agcttgaaca atagttgtta actcaactta tagaactg ctaacccta gattattaga 60  
aaaaccctaa tccagttccc ttggtcatct ctaagaacac caccaccagt tgctaaatgg 120



aaaaagaggt aaaaaataat ataataatca aaaaatatct ttttagtgaa ataaagcgga 300  
 aaatcaatcg gacgttttct ctttgggatt tctcattctt aatcgaattg attaataact 360  
 aaagtgaac taaggctaaa atcaactcgc ctagtcaagc tcgtccacaa aaa 413

<210> 7858  
 <211> 441  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7858

agcttggttn tcggcaatag caccacacct gactgtttca aggtctactg acccccgcga 60  
 catatctcca ggtaccactc tgtggtcaac aaacaaaagt aggaagactg actcttccac 120  
 gctttctcac atcaagcttg ttggattatg gggtagccgt catatgtggt actaggtggt 180  
 gatcgggcga tgggtgcaat caactctccc acatccacaa atcaaactg aaccaccat 240  
 cccaattgc ccaccttcag ctgagctcac gtactccgac gtagccctta tctcgttcc 300  
 tcttagcact gggcccccat caaccctcc aagcttccac aatatccaag caattcaatt 360  
 tccaaacatc atgaactacc ctaaactatg aaaacagagt aaaggtagaa aaatctgccc 420  
 aaaacacatt cacatcttac a 441

<210> 7859  
 <211> 423  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7859

agctntcaac cggtcttcga cgctcttcat tcgttcttca tcgttcttcg atcttcaacg 60  
 ggtaagtacc tcgaaccaag cttttcgatt cattctatgc acccgtagtg gtccacattg 120  
 tgttccgtgc atttttattc tcgttttggt tactttttat accccctggt gacgtgctta 180  
 agccatttta ctttaagtcatt ttctcgctta acttaaaaat aaaataagtt tccaccgaac 240  
 atttgaattg cattatccgt taacttcggt taaaatcaat tccgaccgtt cggtcgtgcc 300  
 gtaaccacgt tggaaatcaa aaagaggtag aaaataatat aataatcaaa aagacatctt 360  
 ttagtgaaat aaagcggaat atcaatcgga ccgtttctct ttgggatttc tcattcttaa 420

tcg

423

<210> 7860  
<211> 457  
<212> DNA  
<213> Glycine max

<400> 7860

gcttgcacac aagattctcc ttggctggca cttcataact ctttggttgg gtcttataga 60  
tgtcttcttc taaatcccca tgcaagaatg cagttttaac atctagctgc tccaagtaaa 120  
gattctctgc agcaacaata ctcaaaataa ctctgatggt agtcatcttt acaactggaa 180  
aggagtctct gtgatatcaa ttccctgttt ctactgaaac cctttcacca caagtctcgc 240  
cttgtatctt cttctaccgt cagattcttc ctttagccta cagaccacc tattttgtaa 300  
cgctttcttt ccttctggca atttagttaa agaccacgtc ttattcttct gaagggatgt 360  
catcttatct ttcactgcta gcttccactc aatagtgtca ttccctgca tagcctcact 420  
gaaacattct ggctcaccaa catcagttaa caacaaa 457

<210> 7861  
<211> 195  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7861

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attcacttaa ttcactcaag tttctttcat ccagtaagac tgataccatt gcanaaactt 120  
gatcgttatg tctcaaatta ttctcttggt attcaacaac ttaacacgaa catcttcaag 180  
ctttatatag acttc 195

<210> 7862  
<211> 361  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7862

agcttaaaca ttcaatntcg agcgtctcga tatattacat gactcaatca gacatccgag 60

taaaaattta ttgtcgtttg aattggctca cacgctcaac attcaatttt gagcgtctca 120  
 atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaataggctc 180  
 agagctttta cattcaattt cgagcgtctc gatatattac gggactcaat cagacatccg 240  
 agtaaaaaga tattgtcttt tgaattggct cagaggttca acattcaatt tcgagcgtct 300  
 cgatatatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattggc 360  
 t 361

<210> 7863  
 <211> 455  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7863

agcttattac tagcattgta tgtagcactt aaatgtttct tatctctaatt ttcagntctt 60  
 gaagtacttc gctagttaac ctgacttttc ctaattgaac agaattgaaa ttgctatcct 120  
 catatgtttg ttaatcacac atcatctgtg aatttgtgac aggttcatac ataacaactc 180  
 atttagcagg gaaataccag ccggattaat atctaaaaaa atcatttata agtaagtatg 240  
 cttagcaatg gaacaatttt cttacatatt ggtaattata tgcaattaat tgcttttaat 300  
 gctcatcgat ttgactagga aatggaatca gtttgaacat aatagaacaa ggatattttc 360  
 aactagtctt gtaccaagat ttaagtaaca tccatattta atttctgctc tagctaggat 420  
 ggtattcttg aactatacag aggaaacaag aagca 455

<210> 7864  
 <211> 436  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7864

agcttccagc aaggctctta taatcagcaa ggtctttgaa ggaaacaccc cgacaaccag 60  
 ttcaataaag accaggggtg atcctcaaac aagccaattc aacaagggcc taacatcttt 120  
 cagaggacga ctaagttgga agagaccttg actcagttta tgcaggtaat gatgtcagat 180  
 cataatagta ttgagtcaac actaaaaaac cttgaggttc aggtgggaca actggccaag 240  
 cagatagttg acaagtcatt caacagtttt ggagcaaata caggcaataa tcctaaggag 300

gaatgcaagg ctatgatgac taggagtaaa aagtttgtgg aagctgagga tgaagagagt 360  
 gtgggtgtaca aggagcaaat ggggtgaaaag ataggtgctg aggttaagga aaatgatgtg 420  
 aagggtaaag agaatc 436

<210> 7865  
 <211> 454  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7865

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 ggtgatntc caccatggag atgcagcgga agacaaagga gaagagggga gaggaggcgc 120  
 catccactac ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180  
 agaagcttgg agaggatgct tcaatggagg gaaagaaaga gggagagaaa gagagagggg 240  
 ggagcatgaa attgaaggaa taaaagaggg agagaagtgg aactttgaag tatgtctcac 300  
 aagactctca ttcacaaag ttacaacaag tgttacacat gcttctatat atagactagg 360  
 tagcttcctt gagaagcttt cttgagaaaa cttccttgag aagcttcttt gagaaaactt 420  
 ccttgagaag ctagagctta gctacacaca cccc 454

<210> 7866  
 <211> 496  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7866

ntgaattcga tgcnatctag taccgcgat ccttagagtc acctgcggca tgcaagcttg 60  
 agctataaga atacgacaag gatatgttat ttatcctcgt cactggcgc atctccaaac 120  
 catgtccctt gagcgtgcac accctgtatt ggtagataag ccattcatga tcatgagggg 180  
 cgtctccatc cataattgga aagctgacac caagctctct agatgaaaga ctggcacaat 240  
 catgcaatac tattagcagc tgcagcgtgt cttatgtgtg ctattgccat gtaggagagg 300  
 acatatcgat ttatatgtta tattaagggt tacgcattga aaaatgagag taactcttag 360  
 aagcgaacat agcgtcgaat atgcttcacg gcgaaggatc atgtgacgag gttcacaaca 420

ctatacatc ctactaatca tgcccttcaa cgagtntgat cttaatagat aacaacacac 480  
tatgacttat gcgttg 496

<210> 7867  
<211> 432  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7867

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ctttgaataa gctatattat cttacacaag atggagttag tgaataaatc aacattagct 120  
tacaaaagta aatggatatct ttagtgaata atatatttac ttgcacaaag tgatttccat 180  
tgacaaatct aattgcaata agatgagtga gatgcaactg gtgtgagact cctaagtgga 240  
aagatccaac ttggcagcct agataagtgg accgatacaa cattatatca accagtaata 300  
acataacca tgtcgggaat gatcatctac ttcacagtag gcattgggcc ggccacattc 360  
aacatacaaa gaagttatta atgtcaacaa tcgttcttct aagccaaata attgaacata 420  
cggagagtat ca 432

<210> 7868  
<211> 383  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7868

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aagacttgtg ggtagctgca caacatcatg aatctttgct tcgtcagaag tcgagagcaa 120  
gatgggtcaa ggaggagat tctaattccc attattttca tttgctagta aatgcaagaa 180  
gaagagataa ttctctgcaa ggtttatgga ttgatggagc ttgggttgaa gatccgcaa 240  
gggtcaagga gacaggaaga caatttttca tctgcagatt ccaaaaagtg gttcacaata 300  
gaccctcct agatgngta gaatntcagt cattagatca gtaccacaat aacttgctga 360  
gtgggagatt tacggaggaa gag 383

<210> 7869  
 <211> 406  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7869

agtcttttac ggtgtaaga aactgttggt tgttcctan aggtagaggg catcatctca 60  
 tcaaccataa agggcattca attttaccta tatatgctg tgtttgtgat tgaattattg 120  
 aagggtaacg ggtaacattt ttaccctcat ttgattacca aaggcaacat agccttgatg 180  
 ggtaaacaga ataataaagg cacactcatc atacaaattc catttaaaat atgtgtcaat 240  
 gatagcttgt caacatttaa ttaggctgga ccaacaactt tatttgtttg aggatattgg 300  
 aagggaagag gaaccttaca tccacatttg gtgtagagag agctcagacc atggccaatg 360  
 cgggaccaga ttggtgggtg cattatagcc tgtgaaagaa tcctat 406

<210> 7870  
 <211> 424  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7870

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 gttccgagta cattggactt ggtacgacca tgccctcctg atttcagct gggaaattgg 120  
 cgagtggagg aacgccccgg catttacaca acgagcataa tgtaaaccct tacaatttta 180  
 aaagctctat agttgggcct aggcctttaga gtttttcctt ttgttaaggc tttgtgtctt 240  
 ttgtttttga atttataata caaggatctt tcttcatctg ttcctacgtc tctaccatt 300  
 ctcatctatt tgcattgtta cttctttttc tgaaacggca gatccgatga tgagtccnc 360  
 gaaggtacta atacctggga ccgcctatc aacttcgagc aagaaatgag tcaaacggaa 420  
 gatg 424

<210> 7871  
 <211> 333  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations



<400> 7871

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atgaactatg aagaacgaat gaagaacgtc gaagaacggt tgaaaccttt gcgagattcc 120  
tcacggaaaa cgttacggaa acgttttcgga agcgcctcgg cttagattnt cttcacggaa 180  
acaatttttc caagcaaatt cgaaagagag agaagtgcct aaggggctgg acccctttct 240  
tcttcacttc ctcccctatt tatagcaaaa taggggaggt ggttgccgcc cagctcgccc 300  
aggcgagctc agctcgtcca ggcgagcagg gtt 333

<210> 7872

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7872

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atggctgcga tcaacatatg ataaccta gaagattagg cctccggtta cagtggaatg 120  
ttatcgtttc ttgatattgg aattggagaa aaatatgttg tgcaacccta gtataaattc 180  
cttaaagaaa gtgatttttc tcatggtgat gaaatctcat tctactacag gtgtcatgaa 240  
taaatttgga aaagtattat tagaagtcaa aaggattggg acgacactga tagtgactaa 300  
attaagctta ggttggttgt tttgtttatt aacattatca tggatcaatga gtaatcttgc 360  
tcttttcttc tatgcaaaca atctaattat tattaatggt acatatattt ntatttctgt 420  
actatctttc attctaatac t 441

<210> 7873

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7873

agatgatgac accaagctcg aaagtcaaga tcaattcatg ataacaaaga tgatgacatt 60  
ccagaatgaa ttcaagaatg agttcacgat tgagtcaaga acatttcaag gatcaagagg 120  
aaagaatcaa gaatcaagat ttaagattca agaataatca agatcaagat tcaagactca 180

catattcaag aatcaagaga agacttaatc aagataagta ttaaaaagtt tttcaaacca 240  
 ttgagtagca caagaagttc tcacaaaatc attaccaaag agttttactc tctgataatc 300  
 gattaccaga ttatagtaat cgattaccag tgggtttaaa atgttaagaa tntcaaaatt 360  
 caaaatgaag agtcacatct gttgagtgc tactttcgaa caattca 407

<210> 7874  
 <211> 459  
 <212> DNA  
 <213> Glycine max

<400> 7874

gcttctacg tgtaagcta taaatagaaa catgtgtaac acttgtcata actttgatga 60  
 atgagaaact tgtgagacac acttcaaagt tcaacttctc tccctcttct ccttcaatct 120  
 ccgtgcccc ctcttctctc tctcattctc ttctccatt gaggttctct ctctaagctt 180  
 cttatccaaa gcattctctt ggtggtgaag cttctccttc catggcttat tctctagtgg 240  
 atggcgctc ctctcacctc ttctccttta tcttccgctg caactccatg gctaaaaaat 300  
 caccattgaa ggaccttata gaagctcaaa gatccagcct ccatagaaac ttctcaagca 360  
 agcttccatc ataaggcttc ttcttaaacy ataggagtaa catgatgagt gaagacgaat 420  
 cttgagtaag gaaaatgcac cataaaagag aagtacaat 459

<210> 7875  
 <211> 569  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7875

cgacaacgng acatcacacg cgccacactg ccaacntat gcgaagtcca cagcacgaa 60  
 acnnnnancc aaccgnncaa cagcgcggtt tgaaatcgag gccatngcag gaccgagcn 120  
 cnaanagcga ccggcagcan gcnagcnaca cagcagacag acccagacta taccattatt 180  
 agacagcaaa caaacagagg cgaagcgagg acgcaaacac aaccagagaa cacagccggg 240  
 ccctcgcaaa caaagaggag caacgcctc tatggaacca accacagggc acaaccgtga 300  
 ctaacaccca caccaaagac acaaaaaagc cacacgaaca agcccccattg aaggaaacca 360  
 caccacccaa gcaagaaaaa aggccgccag gaaacgacag aaaccaccgc cagcgcgcca 420

agacaatgga gcgaaagaca accaaaaaac acccaacagg cgaccagaat gaacaacaca 480  
acgacgcgac cagaggcgga accaaaaaga acccaccaca aagaaaaaac gaagaaccgc 540  
caaaacacaa aaacacgcga agaggaacg 569

<210> 7876  
<211> 444  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7876

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taaataggcg acccgacctt ctttcaccct taatgataat agataattta taagtgtgat 120  
tcttgaaaca ttctagaaaa acatttgtga ttttatcaat ttccttattt taaacaaatc 180  
tttttatata taaaagttag ggaattatta ttattattat ttttaaggcta agttacaatt 240  
ttattttttt tagtnttatt tgggattttt atcttctttt tcttccttgc gattttaata 300  
cccaaaattt aaaaaataat cattttgatt taatcttcaa ccttgataac atttattttt 360  
atttatttnt taactttaca ttataaaatt atttgtaatt gttgaaatat tattttctac 420  
cttaccataa tattgacata tcat 444

<210> 7877  
<211> 426  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7877

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tgacaaaaga acgcataaac gttaaatgaa tgaacaaata acaagcattt tcattgatca 120  
cggttcacta tctacagcca ttgactcttg aatatcagag ttgaaaatac aaaacataca 180  
catgaaaact cttaaaacca ccattacacc actgccacta aacacttgcc atagacagaa 240  
tgaactgaga aaagagcatg ctgtctacat gtaccaaata actgtcttca tttcataccc 300  
ccaataaaaa agcgacatgt gagtaaagaa aatttccaac tttgaaagag ttttattctt 360  
tataccacgt ttcactttca attgtagagc cattgaagga aggaacaagg gttgaaatgg 420

agatac

426

<210> 7878  
<211> 399  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7878

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actcagcggg aagtaatgga ggaaatcgac attcccatte agataggccc ccacacttgc 120  
aatgtggtgt ttcaagtaat ggatataaat cccgcctata gctgcctctt gggaagaccg 180  
tggattcatg ccctgngagt ggtcccttca acgctccacc agaaattgaa gttcgcagt 240  
ggtggacttt tagtgatagt gtcgggtgaa gaggatatgt tagtgagctg cccctccttc 300  
gcatcgtagc tagaagcggc ggaagaatca ttggaaacgg ctntccaatc ctttgagggtg 360  
gtgagttgcg cctctgtgga accaagtcgc togetacct 399

<210> 7879  
<211> 402  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7879

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atgttaggtc ggctctaact gcaatgggtat atcgaaaggg gctaaggata tcaagcttgg 120  
ccaagcaaag tcacacgagt ggggaggttg ttaactacat ggctattgat gttcagaggg 180  
taggggacta ctcttggtat cttcatgaca tgtggatgct tcctctgcag attgttcttg 240  
cccttgcaat nttgtataag aatgttgga ttgctgctat tgcaacactg attgctacaa 300  
taatttccat cgtcgtcact gttcctattg ccagngtcca agaaaaatat caagacaaat 360  
taatggctgc taacgatgaa aggatgaaga aaacatctga gt 402

<210> 7880  
<211> 414  
<212> DNA  
<213> Glycine max

<400> 7880

agctagccac ccagctcgcc catgcgagct atgttgcttc ctctgaagc aaccgccttc 60  
tggaggaatt ttctagaagg cccaagtggg tctggttgct atttgaccc ccatttttac 120  
taaatactcc ccttgctctt tgttggtgat tctttttccg taacgttatg aaactttacg 180  
aatttcgtaa cgatgattgt tttctttccg taatgtagca aaaccttacg gattacgtaa 240  
tcatccccctt ttaccttcc ggagcggtac agaactctac ggattgcgca ctaacacttc 300  
cttttaattt ctggcatgtc acagaacttc acgaattgtg ctaccatact ttcttttgac 360  
tttcggcatg tcacagaact tcacgaactg tctagcgatg ggtgccaagt acct 414

<210> 7881

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7881

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gagaggcttt gaggggtgggg gcatgcgata gtgatgatag tgaagcttta ctctttatgt 120  
gaattagaga agacgggaag tgaagagtct acagcttatg agttaacatt aatctggact 180  
atgctaagac acacttgagt gtattatttn tggctaggct caataagaag cacttcaaac 240  
acataactt ggtcaggttt aggtaccgac gatgtaaaaa tgtcattatg aaccgcgcta 300  
ataatacatg tgtcaaccog cttttatgac tcctatatca tgggtataccc acccagatta 360  
cacttttctc tctcgattgt tatcagtttg ggttggtactg agttcactcg aacaccct 418

<210> 7882

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7882

agtcacctgc ggcagcaag cttctcattc tcacctttct ttgcctatag ttctccagat 60  
atactanttt catgtttggc gctgcattc aagttcagac ttgcgtaaaa gtggaagcaa 120  
ctacgagtag cttccacgtt ttttgtgata gtataacgag atttgagcat taaatgcata 180

tacttgaagt ggctccatgc tatgactctt aattcaaaat taagttattt ttaatgtttt 240  
ctatcttctt tgtcatgaat agaaatatgt tgatttgaaa aaggagttga gcacaacaga 300  
tagacatatt ttgatagaaa cgggattcat tcgtcaatgg tgaacatcct cataagttca 360  
tattaaatta ccttgctacc ctcgaaacac ctacagaatt ga 402

<210> 7883  
<211> 449  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7883

gccgatttgc cttttgatcg tgataaaccc actttgtaag agcttcgaga aatttataat 60  
gtaagatggt gtttgttttg ggacactcac ggtgaataag gggatctaga atccatgaat 120  
tccgacaacg gtattaagtc ttaagagtta aagggggagg cattttcata aatgactata 180  
tcactacggt aaaataaaaa tatagctgaa ctagctgggg accaatttaa ggtgttaatt 240  
atgtgatgca gaataataaa cacaagtaca gctgtacacc gctaaaaaat accattccaa 300  
ctacaaacaa actctatgtg gctatctgtc atcatgaacc acttcagtag ttcatgttta 360  
atcataaatt cgtactatct ttgttggat cgattattaa gctgaaaaat aaaacgtctg 420  
cctaattcct ctacgcagat tgaaaggcn 449

<210> 7884  
<211> 459  
<212> DNA  
<213> Glycine max

<400> 7884

agcttatgct gcaaacactt ataatagacc cctcaacag cttaaccaac aacagaagaa 60  
taattatgat ctttcaagca acaaatacaa tccagggttg aggaatcatc taaatctgag 120  
atgggcaagt cctccacaac aacaacagac tatectcct ttccagaatg ttgctgggtcc 180  
aagcaagcca tatgttcttc ctccaatgca gcagcaacaa caacaacaac aacaagaca 240  
acaagcaact aaggccccct ctcaaccttc cttagagaag ttagtgagga aatgactat 300  
ccagaatatg caatttcagc gagacaagag cctccattca gagtctaaca aatcagatgg 360

ggcagatggc tacttagttg aaccaagctc aatcccaaaa ttctgacaaa tttccttcac 420  
 aaactgtgca gaatccacaa aatgtgagtg tcatcatct 459

<210> 7885  
 <211> 122  
 <212> DNA  
 <213> Glycine max

<400> 7885

gcttcaccgg atgatgccga tgaacattt tctaattgtac ttcttccaat ggatattcag 60  
 ggattgaaca gaataaaciaa tggccagtgt cggtcgatat atggccccga ctgatatctt 120  
 tc 122

<210> 7886  
 <211> 398  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7886

agcttagcat tntccaattg ccatgatgta atcttcttct tgacagtctc tcatcaagtt 60  
 ggagtggat cacagcattg aactaagttg atcgttccaa tggttttgat tgctgcagat 120  
 aaagtgtgtg attgtgagtt tctgggtccca tgagtaacag aggtgaggta gtttgtgcct 180  
 tcatggttgg gatgatgttg cacgtgccgg tttgttggtg agagaaaaga tgatcatcca 240  
 cgtctcgtgt gtgcatagga gagtgtcttt gccctctcca caacattagt ttcaacaact 300  
 gacgttagtc gaaactggat ggtgagaatc aaaagagtaa aaaataaatt caactgagac 360  
 taaagtagaa tgatttatac tataaagact aaaaaaaa 398

<210> 7887  
 <211> 422  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7887

agctntacat ctaaagcgaa cacacaattg acatgtctct gagattcact agtcgatctc 60  
 gcaagcaact cgattagact agcgattgtt taccaaattt cagcgtaaac aaattggcac 120

gcccagtgagg accgggtcaat tgtgtgtttt ggtttttaaatt tattattaaa gttttgttta 180  
 gtgcagttgg tttattgcat tcttaattgt tttgatcttg tatgcattta agaagtggga 240  
 aatctgttcc acacttaact gaattcaaaa ctctgacaag gatggctaga ccacccccaa 300  
 gtaatcgaaa caatgacctt ccaaatatgg aggggcaacc aacgcagaca tctgtcagta 360  
 atgccaatat aaattctggc ataagagcaa ttcctgacca aactgttggc acgataagtt 420  
 cg 422

<210> 7888  
 <211> 417  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7888

aacttatgat gaggttattg tatgtangga tgaagaccta aatcacgtta acaaaataaa 60  
 cagcattgat gaaggcctaa atcacgtgc ctggctattt ggcaactaac ctgcaccacc 120  
 cttaacgtct tggcctatcc gccactgacc tccccatgat gcctgacgaa tcccatagtc 180  
 caacatctga atgccacaac taggcatagc aatgaaaccc gtactcgtgg atatccgccc 240  
 aaatccatcc cgattntgat ggagaatacc tgagttgatt aggtacgggt ttgagttcga 300  
 ggattaccg acttatttaa tccgtgtcga gttcggggac aaggatgtca ttaccattc 360  
 catactncat tccgtacca cccattgat gaaaattatt aaattctatt aattact 417

<210> 7889  
 <211> 341  
 <212> DNA  
 <213> Glycine max  
 <400> 7889

agcttattgt gcataccata tcttacaggg tattttttta cttatgtag tgatgtcgga 60  
 tattattttt tgaacatcgc actttctttt ctacctgttt aattagctgt taatagaatg 120  
 ctttatttcc ttgggctgct attatctttg agcactgcct cctgttatta tatcgcttga 180  
 cagttgactc tctcattatt tgtttgctat atagcttgaa ggagcccaaa cggctcaatc 240  
 tccggacttg tttgcgatat catgctttca tatggatctt cttagtgaag ctgaagatgc 300  
 attatgtcat gccgatgagc ccggtgcaga ggtataaaac a 341



<210> 7890  
 <211> 299  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7890

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 aagggcttca attgtatgct tagtgccaac tgttgcgata acgaacattg gcagccaaca 120  
 atgagtgcct gtcttccatt tggaccaaaa atgattatct tcttgctgga cttaatatta 180  
 ataccacccg ttgcatttn tgaatctggg atgatgttta gcttaacctt tatagataga 240  
 acaaacttgg agccatatga catgtgatat ttgttcttgc acaattatca taatgcatc 299

<210> 7891  
 <211> 422  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7891

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 ttccttggca ccctttatca tgttcaattt gttggtaagt ttaggtcttt taatccaaaa 120  
 aaggaaactt ggttaccatg tgagagtaat ttggataaat gaaaattggt ttggttggtta 180  
 tatgcatgag tatttcgatg cttgtttgca ataatgtaat atacaaaagt acctaccaca 240  
 tagagagtgc ctacgcaatt tggaatcaag aagtttcaga ttgtgtgatt gcattctcta 300  
 gcaccaaagc tattgcattg aaaaattact gcatacccaa aattacttta taaagttgca 360  
 accaatatta cttggcaaaa aagtagtcta aagctactct gtcacatggt acctcatgta 420  
 tg 422

<210> 7892  
 <211> 391  
 <212> DNA  
 <213> Glycine max

<400> 7892

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ggatgccccca cattatttcc atgacacaaa tgcaaaaaat gatgatttgg aaattttatg 120  
 caaaactggt catgcatgcg cctatgcgga cgctcaagtg tcaaattttt atggatcatgt 180  
 ttatgtttct gtttagtgcg ggcgcgaaaaa gtcgctagcg cacgggattt tgggttggtaa 240  
 tcaaaggag aagaccatta taggtcgcg aatactttcc ttctgtctgt tcattaggtg 300  
 acaattctgt attgctcaga tattgtgcg tccaaagacc tttctgcaca tcttttctgt 360  
 tttctgcga tccctgatca ggagctttct t 391

<210> 7893  
 <211> 362  
 <212> DNA  
 <213> Glycine max

<400> 7893

ctgcaagctt gagcaaattc aaacgacaat aaccttttac tcggatgtct gattgagtcc 60  
 tgtaatatat cgagacgctc gaaattgaat ggtgaagctc tgagcaaatt cacacgacaa 120  
 taaattctta ctcgatgtc tgattttgtc ccgtaatata acgagacgct cgaagttgaa 180  
 tgctgaagct ctgagccaat tcaaacgacc ataaccattc tattcgatg tttgaatgag 240  
 tcccgtata tctgacacg ctcgaaattg aatgtgtaag ctctgagcca agtcaaacga 300  
 cgataacggt ctactcgat gtctgattga gtcccgccac atatcgagac gctcgaaatt 360  
 ga 362

<210> 7894  
 <211> 166  
 <212> DNA  
 <213> Glycine max

<400> 7894

atgtttattc tctaagggtt ggaagaactt acttcttctt gaaacaaaag aaagaaggat 60  
 tcacagctta agctaactgg atacccaat tgataatata attactagct cctagaaaca 120  
 aagagaaggt ctttgggtga ttctataatc aattatcaca catgat 166

<210> 7895  
 <211> 411  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 7895

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ttgtcgatac ggactcccca agaagatcat tactgataat ggcaccaatc taaacaataa 120  
gatgatgcag gagatgtgcg aagacttcaa gatccagcat cataactcta ccccttatcg 180  
gccaaagatg aatggggctg tagaggctgc gaataagaat atcaagaaga ttggtcaaaa 240  
gatgacggtg tcatacaagg attggcatga gatgttgctt ttcgccctac acggatacag 300  
aacctcggtg cgaacttcta ctgggggcaa caccgtattc ttggtttatg ggatggaggc 360  
agtactccca tttgaggtag aagttccttc tcagaggata atggcggagt c 411

<210> 7896  
<211> 273  
<212> DNA  
<213> Glycine max

<400> 7896  
agcttgactc acaccaaaca tgttaagttt agtatgcttt caacaaattc cttcataaat 60  
aattaccata aggcataaac ctagtaaaat taccatcat atgtcccaa acccagtacc 120  
cacgaaaatt tatgtgagaa gaagtctacc caaacctgaa atttgaagtc ccacaatgta 180  
gaggtgcgct tcacgactcc aaaaatggct tcctttcgcg atttggagca gaaatgggtga 240  
gcaaagggtg gagctttgat ggagcttcaa tgg 273

<210> 7897  
<211> 415  
<212> DNA  
<213> Glycine max

<400> 7897  
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gggatttggg gaacagattt acgcggagac atttctgccc atactaattc tttcacttcc 120  
tttaagcttc cgcttattag tgcacagctc cttcaagaat ttagcatatc ttggaatttg 180  
ctttattgca tccagcagag gtatgtttac ctctactttt ctaaatgttt ccaatatctc 240  
cttctctgcc tcttccaatt tttgttggg aattgctctt ggagggaatg gaagagggat 300

atgctgcttc tcttttagatt cacctgcata gaaattgtta gggaacttac tctttaaatc 360  
 tttgtcatca tctttttcta gagtaaagtg aggggtgggca ggttcatttg cggat 415

<210> 7898  
 <211> 411  
 <212> DNA  
 <213> Glycine max

<400> 7898

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 taaacagcta ttgtcgtttg aatttgctca tagcttccgt attcaatttc aagcgtctcg 120  
 atatattaca ggactcaatc agacatccga gtaaaaagtc attgtcgcctt gaattagctc 180  
 agagcaataa tattctatctt cgagctcgtc gatatattat gggactcaat cggacatccg 240  
 agaaacaagt tattgtcctt tgtattagct cacagcttcc acattcaatt tccaggggtct 300  
 cgacatatta cgtgactcaa tcagacatcc gactaaaaag ttattgtcga ttgaatttgc 360  
 tcatagcttc cgcattcaat ttcgcgcgtc tcgtatatta cgagactcaa t 411

<210> 7899  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7899

agcttagcac aatcggcgcg ctaagcgcgt ttccaagcat ttcaaaagca gtaagggatt 60  
 ggcgcttaac gcatgctgcc gctaagccca actcgtgaaa gttcacttcc agaatggata 120  
 tggggccttag ctgangacaa tgcacttagc gctgctacaa aagatttttc cagagatgga 180  
 gtggcgctta gcgcatcatc tctgctaagc ccaactgcttg aagtttactt ccagtgaaga 240  
 tggtgggctt agcacagtga tgtgcgctta gctgaactat ntagccaact atccaggggt 300  
 ctaagcgctt agcatgagca agctcaggct tagcgggtga agacatggca cttagcgaat 360  
 ggacaactga aaaanaattc taagtctctt ctgtccatct cttcagctag ggcttaaaaa 420  
 ccccttttgt cactacntaa acagct 446

<210> 7900  
 <211> 383

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7900  
  
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 catttgcttc caaagtttca tggccttgca ggtgaagacc cgcacaaaca tttgaaagaa 120  
 tttcacattg tctgctccac catgaaaccc ccagatgtcc aagaggatca catatttctg 180  
 aaggcttttc ctcatcatt agagggagtg gcaaaggact ggttgatta ccttgctcca 240  
 aggtccatca cgagctggga tgaccttaag agagtattct tagaaaaatt tttccctgct 300  
 tccaggacca cagccatcag gaaggatatc tcangtatta gataactcag tggagagagc 360  
 ctgtatgagt actgggagag att 383

<210> 7901  
 <211> 445  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7901  
  
 agcttatgcg catgtttcct tactaacgtt cacttgcgga agacatccta ttaaccgaan 60  
 aatgcaccca tatacaatca aggcagctgt gttacctaca ttatttacac gtatttccaa 120  
 ggtgtatttg ttacttacat cacacacatc cccttggtta aattcacata catgcatact 180  
 ccaagcattt tggggtagcc aaaaattgca catgtgcaca tcttggtatt tctaatacct 240  
 atacatacac aaacttcatt atgaatcttg actatctaca caacaaggag ctacatttca 300  
 tgcccttttt caagtttttg ctacctaaag ccgcatgcaa attcaagcat attctccttt 360  
 gctgactaan attgtattca aattatatat atatcttttg gaatatgtgg ttttttcata 420  
 caacattcaa catatgtata tatat 445

<210> 7902  
 <211> 554  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7902

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cagnacacgc ccnttganc ttttgatcca ctcgaccgga aactntaaan cgactgcggc 120  
tgcaacctat aaacgaaatg cagtgtagat tttctggctc tataggggag atttacttgg 180  
caccctttat catgctcaat atggtaggaa gtttatgtct tttaatccaa aaaaagaaac 240  
tcgggttacga tgtgagagta atttggataa atgaancatg gttttgcttg tatatgcatg 300  
aatatttcat gcttggtgag taatgtatat acaaagtacc tacacatgag agtgcctacc 360  
atttggataa agatgtttag attgtgtgat tgcattctct agcaccaaag ctattgcatt 420  
gaaaaattac tgcatacaca caaatacttt acaaagtga accaatatta cttgggctaaa 480  
aagtagtcta aagctactct gtcatgatgg acctcatgta tgacaagcta atacaaatgg 540  
tgatgatgct gacg 554

<210> 7903  
<211> 307  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7903

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attgagagtg attctcctaa atcttgagtg attcaggaca ctctggctgt atcaaacgga 120  
cttcacaacc tttgtgtgtt gccctcactg gaaagagtga ttctttactt cctttcatct 180  
tcacctntgt tctttcaaac cacaattcca gaanatccac ctcttcccag aattatctcg 240  
tggccataac tcccatttta cgcactcaaa ttaagtgatt cttaagccta aattgaattt 300  
caaaacg 307

<210> 7904  
<211> 422  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7904

tagtggatgg gcctctctac ctttctcttt gttttcgtgc attcatggtg gaaataccat 60  
taaggacctc attgaagctc acagatccag cctccgtaga agccccacaa gcaagtttcc 120



agtcgacgc cactattang ggattgactg tgtgaaaatg gattttaagta ttaaaattct 300  
 ccctgccacc aatgatgtac atggaggagt cattgtggac ttaaaggagc ctatggactc 360  
 taaagattnt gctactctgc ttagatcttc acttttacat ttggaagcac agggtaacat 420  
 tatgatct 428

<210> 7907  
 <211> 416  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7907

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 ttgctttttc aaatggaaaa gtttctttcg gcatgaaaat agtttgtaga tactacaaag 120  
 tatttttaaac cttgggggtga gttagactaa tatagataca ctatagtatn tgatgatata 180  
 ctgcaagtga aatggtcac catttatggt tctattaatg cactcacaat gtctttacat 240  
 gattagctga agaattttct atatgatttg ttcttctaga ctacgccttg tcaactgttat 300  
 atcctcaaag atatctttga tactctntca atccactttt taagacttga tgatcacttc 360  
 tttctcttta gaaggtaatg atgaggagga tcaccatgag cactggaatg gatcta 416

<210> 7908  
 <211> 492  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7908

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 caactaacac ttgaaaatga atacctatga atactagatg ctttgaagaa atgagtaacg 120  
 aacctacacg ctatcattca aattctttat gtagaaaact ctttgtatat tcttataaag 180  
 tttgaaaagc tctcagaaca tcttgaatac tctaagacaa aaaactaaat gcttagattt 240  
 cacatttgtt tgtaagatga ttaagattta atcagttagc aaatcaaaca acatatcttc 300  
 tgatttgtat agaaccaaca gtggcttggt aggacaaaga atattccgct gttaaagctt 360  
 gacgataaac tctgttgtga gagctaaaag taaccgtgac acatacttgt aacttttgtg 420



agattagtga aacttgattg taaccaaaaa ctgaacttag tctgaatggt agagacaaac 480  
caatataaat at 492

<210>	7909
<211>	348
<212>	DNA
<213>	Glycine max

atattgaaag aagcccat	ttt attgatgaag ttaggtcttt	cctatgaaga tctcaatctt	60
attatgttgc aaagacatca	agaaggcctt actcaa	aatga tctatcaaag	gctacattga 120
atagacaaca tcagaatgaa	gcagtactag agtcaacatt	agaatgatgt aattgaggac	180
tctgagaatg tgatctcata	atgatattct aaagatagac	tagaatcaag atgataaaca	240
tcaaattttac tgtattttca	tatgcaattt gagacattta	tttgatactt taatatactc	300
taggcttttat tttgaaccaa	attcgttatg ttttcagttt	ttaatata	348

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<223>      unsure at all n locations
<400>      7910
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agttacaaca	agtgttacac	atgcttctat	ttatagacta	ggtagcttcc	ttgagaagct	180
ttcttgagaa	gcttctttga	gaaaaattct	ttgagaagct	agagcttagc	tacacacacc	240
cctctaataa	ctaagctcac	ctccttgaga	agattccttg	agaagattct	taaagaagct	300
agagcttagc	aacacatacc	ccctataata	gctaagctca	cccctatgcc	aaaatacatg	360
anaatataaa	anaaaaaaaa	attcatacta	caaagactac	tcaaaatgcc	ctgaaataca	420
agtctaaaac	cctatactac	tagaatggcc	aaaatac			457

<223> unsure at all n locations  
 <400> 7911

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 gcacgttagc ttgtctantg gctatacatg atacacgtca cggttaggga aggttcagtg 120  
 ataaaacgga tgccccacat tatttccatg acacagatgc aaaaatgatg atctggaaac 180  
 tttatgcaca actgagcatg catgcaccta tgtggacact caagagtaaa cttttatggt 240  
 catgtgatta tcggctgagg atacatgtcc tctatgtag tcaaccaac gactccaaaa 300  
 tatgctattt tatcaatgtg tgcattcatg cgagtacatg atgggcgagc gggaaaatat 360  
 tcacagcgtt cacccttcag gtgtatacac attattgttt caagaatcgg ttatgatcag 420  
 tgaatttggt gatagaaaag atgaagggtga tttttataa aagcatgtag gatctcaagt 480  
 taacaagtca tgtgagttta aactacgtgg ctctn 515

<210> 7912  
 <211> 449  
 <212> DNA  
 <213> Glycine max

<400> 7912

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 cacacgcttg gtactattcg atcgatgata tcaagttgca ttctctctct ttgtgctcga 120  
 attcatgctg gtcgtaaaat taaggggagt acttatgtga gatcttgagt gaatgcctat 180  
 atgtctcccc ctgaggcatc aacatatagc cgaagtgcgt aacatgtata agacaatcat 240  
 gtgctattag tcattcacag ggcgatcatg ggagaatatg aacccatcat gaagcaggag 300  
 acatgaatag atcaaataata tataacaacc acatatatga catacacatg aatagagaaa 360  
 gagtctatca agatatctta accattcatg aatcgtagag agatagtact tcatagaatg 420  
 acatgtaatc cagaaagtca ttctaatg 449

<210> 7913  
 <211> 342  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7913

agcttgtcgg ccgcgattga cgaagggcgc agaatactga cgtagtctct gcgtgctatc 60  
 agggcttttcg tcttacagat agcaaaaaaa agaatgtnta tatggataac cactcgggggt 120  
 atttcgccccg tcagcgtgac tcanaagtca gtatgacaga tcttgtgagg gcgcagaaga 180  
 cgacgttagt ctctgcgtgc tatcaagctt ttcgtcttac agatagcaaa aaaagaatgt 240  
 ttatatggat aaccactcag gtatttccgc ccgtcagtgt gactcanatg tcagtatgac 300  
 agatcttgtg agcgcggaag atgacataaa tctncgctg tc 342

<210> 7914  
 <211> 410  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7914

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 cgcacttctc tctctctcga aatagctgag gaaaattagt tccgtgaaga atatccaagc 120  
 cgagacgctt ccgtaacggt tccgtaacgt ttccgtgagt aattacgcga agattctcga 180  
 ccattcttca agattcatcg ttcgttcttc gttttgttca gtcttcaacg ggtaagtacc 240  
 tcaaaccaag cttttcaatt cattctatgt acccgtgggtg gtccacattn tgtttcatgt 300  
 attcttggtc ttgttttcat ttacttttta taccctctt tgacgtgctt aagccatnta 360  
 tttaagtcatt ttctgccta atctaacaat aaaataaatc tccaccgatc 410

<210> 7915  
 <211> 311  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7915

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 cgccgtcgtc ataagagacg gcaaccttta atcaaagtgt caaatatgac ttcaatttat 120  
 attcttttcc ctttttacgt tcttatgttt ttttatgcct ttttatgttt ttatcttttt 180  
 gtggacgaca agggcggttc ctttgctcc tacgtattcc tcgattttga tgagaaaatc 240  
 agacctacgt agttcttnt gtgaacaaag cgtttggtta aattattttt tatecttttt 300

tgcaagatat g

311

<210> 7916  
<211> 477  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7916

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attgagtcgc aaggtaattt gtctctatgt gagtggactc tatgcaaggt tcaactctgag 120  
tacatatatc tgatgggagg ttagcacact aacttangaa gttaacatgc taatctagaa 180  
ttaatattag gataagattt accaacttta tcaaaaatag tttttatcat ttttgcttaa 240  
gtctacttta atcatttctg gttaaatatt caaaaggaaa aaatacccgat atatggcaga 300  
atgtggcacg tccatcatgt aacatcccat ttttcgtaaa ataatttaaa aatgattgtt 360  
atgtgtaaac aaacagagtt ttagaanaat gatgaagttt ttataattaa ataaataagg 420  
agaaataact ctattaatta aaataatagt tctggagaac ataaaaaggg tattttta 477

<210> 7917  
<211> 325  
<212> DNA  
<213> Glycine max

<400> 7917

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acacctataa atactagatg ctttgaagaa atgagtaacg aacctacag ctgtcatgca 120  
aattctttat gtagaaaact ctatgtatat tcttataaag tttgaacagc tctcaaaaca 180  
tcttgaatac tctagagaca aaaaactaaa tgcttacatt tcacatttgt ttgtaagatg 240  
atcaagattt aatcacctat cacatcaaac aacatatctt ctgatttgta tagaaccaac 300  
tgtggcttgt gaagacaaag aatat 325

<210> 7918  
<211> 341  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7918

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tagactaact taaactaagg ttcaccccta gatccctnct ggtggactag acttagctta 120  
natagattat gagagttcgg cctaattagc ctaagctatg ttctcagatc cctctcgttg 180  
gactagactt agaccagaca gcattatagt aatagcatac ttaaaaccan aacttaatcc 240  
acagattcct cttgtaagac taagtttcaa ttctgctgca ttcaagatat acggcaacaa 300  
tacatttccc aatgttaaata cacctaacta tgcaagcaaa t 341

<210> 7919  
<211> 433  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7919

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attntttttc ttaccttct cttccattgn tgnttcttca tttttctcca tgtatctcct 120  
cacatgtctt gttctaaatg ttgttaacat gattgttttag agtttccacc gattaaactt 180  
gctatagaag ctagatttga ttntctatga ttcaaatttc ttgttcttgt tcttgaacca 240  
tgaattgtgt tgagtttacg ttcccttgag ttctttcttg ttattttttg tggctgaaac 300  
ctaaaccata aaattcttac aaaaatatta aagtagaaga aaacctcaaa aatctagagt 360  
gacttgttca cctattgtag ttntgtcata gaagtcatgt ctagtcatga aacttgtcac 420  
ataagatttc tta 433

<210> 7920  
<211> 335  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7920

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tttcagtatg aatatgttgt ggtaatgtat ataattcttg taagcttcat acatgggttaa 120  
tcttcttcaa tcaacccttt ttctactta cactctntta gctntacaca aatcaaattc 180

ttaattaaac aactacatca cacttgacg cctaatagaca aaaaagaata gcaatgagaa 240  
aagggctaata cacatgttta atgataaaat gtgatcaaac ccaaggatgc ctcgaataat 300  
cctttggtga caccceaaat cagcaaacaa tgatg 335

<210> 7921  
<211> 465  
<212> DNA  
<213> Glycine max

<400> 7921

tgcaagtga atcgaattac ttgacttatg tacgcaacac atagaatagt ttacactaga 60  
atcagaaggt gtggtcaaaa gagtattcta tatgaaatat atctcgatac acgtcctcga 120  
actatagagt atcaacattg ctaagaacaa gaaatcacga acaaccatac tatctatgca 180  
attaaggcaa aacaccatac tactaacata cccagaatta taagggttctt ataataagta 240  
tacaacgtac atataagaag tcagaattta atagttaata gggatgtatt aaagaatcac 300  
aaacttcaac tactacattc acgacacata atatatgtgag ttaactagtc atgcgtttac 360  
acatcaagaa agacatactc atccaagaca tatatatggt ttataaaggt ttcacaacat 420  
taatccacac atgaagatag aaataagtta ttaacaacat acatg 465

<210> 7922  
<211> 357  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7922

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acctggagat atgtcgcggn ggtcaggaga ccttggggac gtcattgtggg gtgctattgc 120  
ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcgggtcag tgagaacctg 180  
tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaca aagaccacaa 240  
agcaaggagg cttgtggtgg ctggccagct ctggattntg tgtgatatgt ggagtatggc 300  
ctctggtaat cgattaccaa ggggtgggtaa tcgattacaa ggcttaaaaa tgaagac 357

<210> 7923

<211> 359  
 <212> DNA  
 <213> Glycine max

<400> 7923

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 ttcaatggcc aaaccgccta aataggtttc ctttaaccaa taagttttta acctaattctt 120  
 tcatactttt ttaagtgggtt acctttggat agttccaaca ttattttttt taccttttgg 180  
 tttcaaacct ccacaagaaa aaccgcactt aagaaccaca tgagtaataa ttatctaattg 240  
 taatggcgag gtactatcat agggaccttt attagaattt agataagtga gtccctcagt 300  
 tatggaagaa aacagagaga tagaaaagga aaaaagagtg aagaatagtc agatgaaga 359

<210> 7924  
 <211> 538  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7924

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 gcagcactct attatcaaca ttcacaagtg gagatctttg cacacgagct tcaggtaagc 120  
 gtctcttata caatcgagag tgattgccct accttctcta cagatgcaag acctcacttg 180  
 ttgcttcatg agacttccac atgctttgtg cgtaatgctg gctacatgaa tcgatacaag 240  
 ttccacttat ttaactagcc tagaagctac cttcgaattt ctatgagtaa acatctcctg 300  
 ccatagtcac gaaccatgaa ttgtgtcgag ttacgactct tagagagtgg tcttggaacc 360  
 tatagtggct gacacctcaa caccttaaata cttacctagg aattacatga ttaggagcac 420  
 ctgagcatct agagtgacat gtctactcta ttggacttcg ccatataacc tatcgtaaac 480  
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<210> 7925  
 <211> 488  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7925

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 aaatggaatt tgcagcgaan aaacctgtag aattcacctt aaattccggt gtcatatgct 120  
 aacttgctcc cttatatact tgataatgca atgatagcca taacccttac caggggttcct 180  
 taacctccat ttttctgagg atacgactcg aacgcaacat gtgcatatca tggaagagtt 240  
 ccaggacatt ccattgagca ctgtatgacc tcgaagcgta aggtgcaaag tgtaattgat 300  
 gtgggctggt tgaaatttga gtagaatcgc ttgtgaatcc taaacattga caagcgacac 360  
 cacacatggg gtaattttga aagctgttgt tagatgtctc taatgactca tcangatttt 420  
 canatntatt gccattattg taaccacagt tacaatgcta aataaaaaat gtaaatttga 480  
 catctttg 488

<210> 7926  
 <211> 333  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7926

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 atacatccga gtaaaaagtt attggcggtt gaatttgctc agagcttcng catgcacagt 120  
 cgagcctctc gatatactac gggactcaat cagaccaccg agtaaaaagt tattgtcggt 180  
 tgaatatgct cagagcttcg gcatgcaagt tcaagcggtt cgatatatta cgggactcaa 240  
 tcagacatcc gagtaaaaag ttattgtcgt ctgaagttgc tcagagcttc gataatctat 300  
 ttcgagcggt tcgatatatt acgggactca atc 333

<210> 7927  
 <211> 450  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7927

actcggatgt ctgattgaga cccgtaatat atccagacgc tcgaaattga ataccgaagc 60  
 tcttaaaaaa ttcaacaac aataactttn tactcggaag tcagattgag tcccgtata 120  
 tattatcgag ttgctcaaaa tggaataccg aagttctgtg caaattcaaa ccacaataac 180



tctttactcg gatgtctgat tcacgcccgt aatatatcga gacgctcgaa aatgaatacc 240  
gaagctctga gaaaaattct aacgacaaca actttttgct cggctatccg attgagtcct 300  
ggaaaatata ggaatgctcg aaattgaatg ctgaacctct gagcaaattc aaacgacaat 360  
aacattctta ctcggtgtc tgatggagcc ctgaatatat cgagacgctc gatattatat 420  
accgatgctc tgagaaaatt cacacaacaa 450

<210> 7928  
<211> 140  
<212> DNA  
<213> Glycine max

<400> 7928

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gaatgtaatg aaatctttta tacaattttt tattattata gaaaacgtgt attgtatatg 120  
gtattagcga caatgacata 140

<210> 7929  
<211> 379  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7929

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caaaggactt tcacaacctt tgtgcgttgc cctcgctgga aagagtgatt ctttccttcc 120  
tttcatcatc acccttgatc tttcaaacca caattccaga aaatccacct ctgccagaa 180  
ttatgtcgcg ggcataactt ccattttacg cactcaaatt aagtgattct tgagcctaaa 240  
gtgaatttca aaacgagacc tttcacctcg ctttggaatc acctcatttg gagccctgta 300  
gcttcagtta ttgacatttc tatattttctg tccagccacc acttaaccta cgttntacca 360  
tcccattcat cccatttat 379

<210> 7930  
<211> 359  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 7930

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ctacttgagt tggaatatta tgatttatga accattgtat tatgttatga ttttaaatatt 120  
ttatagaatg tgttggttatt tttctatatg ataatatgct gtagtaacca tgctgnggtt 180  
ctagaatatt tgttggtattc ccatacctgt actagtactg gaactcatac atgtatccat 240  
gaaacacaga tgacaaaata ttntcagtat tgctctgttg tttgtctggt attgccaacc 300  
tcacctaata ggataggatt tttgtgcccg tgtatgctat ttgtctgtta tatgatctg 359

<210> 7931

<211> 470

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7931

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ctttgacgta gagacctcta caacctgtca agataaatcg acaacaaaac aaggcaaaaa 120  
aatatgttta cttaactgat tgtctcagat cataataaca gacaaatagc atacaacggc 180  
aacaanaatc ctatcccat atgtgaggtt ggcaataaca gacaaacaac agagcaatac 240  
tgaaaatatt ttgtcatctg tgtttcatgg atacatgtat gagttccagt actagtacag 300  
gtatgggaat acaacaaaata ttctagaacc caggcatggt tactacagca tattatcata 360  
tagaanaata acaacacaat ctataaaaata ttaaaatcat aacataaata caatgttcat 420  
aatcataat attccaactc aagtagcaaa aatatttaag aaaatacaag 470

<210> 7932

<211> 292

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7932

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gttatagtta tattttgggg ctttacctct cagccacaaa tttatgatgt aatcagcaaa 120  
gttctctact gatggcctg agttctctctg ctcttgatat tgcttgagaa ttctgcaagg 180

aatgaaatca tatggctgtc taatttagtt ttagtctgta gtacatattc caaatgttgc 240  
 tgtaagaaca taaagtataa ccatccataa nnatagttac tgcagtatat gc 292

<210> 7933  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7933

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 aagtcacgg ataataattc attaaaaaaa aaaagtgcaa atctactaca gatccaaact 120  
 cgagcactgc ataagatcag gaacattaaa atatttaact tgctttaag aattataagc 180  
 atagctttcc aatttgagag ccgattagat ttctactaca tttagtgcag tgaatttcat 240  
 aactgttgaa gatccatgca aagcattttc tcagggttctg tgaccttgca taaccattaa 300  
 cataacattt atcttgtaag gcttttgaca gaacattntt ccttggaat acttactgg 360  
 aaacatacct nctaacaaag aattctncag ttgaaagccg aagatatgaa gtacatttcg 420  
 ttaccacaat acccatataa tccaat 446

<210> 7934  
 <211> 133  
 <212> DNA  
 <213> Glycine max

<400> 7934

ttgataaata tcatatataa atagtggccg aatattatat cgtaagcaag aaactaactg 60  
 ctcaatgata acatgatcac ctacatatga tggtataatg gcttatcata acagcatgcc 120  
 acatgctttt tta 133

<210> 7935  
 <211> 378  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7935

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ctccaacaac agattatcct ttggggagtt ctacaagctc ccatacatca ttattctgaa 120  
 actggtctag ctcttcttgc attggtttga cccaatatta atcagacatg gnatcatcta 180  
 tgtgtttttg ctcaatctca tataagaatg atgtgttctt aagagagttc cttctctgta 240  
 cttatgccat aggatcacat atgatctacg ctctagatgt tgtttcctca acaggcatac 300  
 agttggttct ctggcctctt caggttggtt gtccactggt gagttagacg caagttggtt 360  
 ctgactcgac acaacagt 378

<210> 7936  
 <211> 328  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7936

agcttggttaa aaaaatgaaa gaaacgaaac cgaatttgaa cgaaataaag atgaaggcca 60  
 aaaaaccaag aaatgaatta aaagtctcgg atttggaac ttacctgctg aagaacgaag 120  
 aacggatgaa gaacagtgaa gaacggaaga aaccttcacg ggattgctta cgaaaacatc 180  
 tcggaagcgt tacggaagca cctcggttg gattttcttc acgggaaaca attttttcac 240  
 ccaaaacagt tgaaatgcat agccagnng atcatggacc cttagaacag gcccnntttt 300  
 ttctttttat agagaaaaag tgggagga 328

<210> 7937  
 <211> 466  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7937

ttgatggcac tattgcaaca acaaaacata actcacaaca atttacctgt tagtcaaatt 60  
 ggtacaacta gcaacaaagg tagtactcta tccattactt gtagtgtaag caagatcagt 120  
 caagaagagt ggatccttga ctcaggtgcc acagaccatg ttacagtctt tctcataaa 180  
 gttggtaatc aattatagga ggaggcagcc tactggtaat cgattacatg aatattgtaa 240  
 tcgattacat gccatctggt ctagtgtaat cgattacaat attcatgtaa tctagtgtaa 300  
 tcgattacaa tattcatgta atcgattacc agaacaaana atagcctttt cctacaagaa 360

aacttatttc taagtctaaa aacttatact atcttaagag ttaattatac taacaagaaa 420  
 agtaaaactaa attaaacaaa acaagcgtca tacttaatca gaacac 466

<210> 7938  
 <211> 319  
 <212> DNA  
 <213> Glycine max

<400> 7938

agcttgcatg atttacatct ccccttttct caagcaaatt cttcttgata tcatcaaaat 60  
 cttcatgatc ccgactcggt ggtggaggat gcatgaatga caatcaattc atggggctcc 120  
 gaataaaaagt ggagattgga ggataggcga atagcgctag gcaatcaatt cgcggtgttt 180  
 ccgactcggt ggtggaggat gaatgaatga caatcaactc atggggcttc gaataaaaagt 240  
 ggagaatgga ggataggaga atagcgctag gcaatcaatt cgcggtgctg cagactcgat 300  
 ggtggaggat gcatgaatg 319

<210> 7939  
 <211> 412  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7939

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 cacttctctc tctctcgaaa ttgctgagga aaattatttc cgtgaagaaa atccaagccg 120  
 agacgcttcc gtaacgtttc cgtgagtaat tacgcgaaga ttctcgaccg ttcttcaaga 180  
 ttcatgttc gttcttcggt ttcttcagtc ttcaacgggt aagtacctca naccaagctt 240  
 ttcaactcat tctatgtacc cgtggtggtc cacattntgt ttcatgtatt tttattctct 300  
 tggccatttg cttntatac cccttntga catgcttaag ccatttattt aagtcatttc 360  
 tcgcttaatc taaaaataaa ataaatttcc actgatcggt taaattatat ca 412

<210> 7940  
 <211> 340  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 7940

tcagaattca atttcgatcg tctcgatata ttacaggtct caatcagaca tctgaggaan 60  
aaagttattg tcgtttgaat ttgctgagag cttcaacatt caattttgag cgtctcgatg 120  
tattacggga cttaatcaga catccgagtt aaaagttatt gttgtttgaa tttgctgaga 180  
gcttcaacat tcaatttcga gcgtctcgat attttacggg actcaatcag acatccgagt 240  
taaaagttat tggtgtttga atttgctgag agcttcaaca ttcaatttcg agcgtctcga 300  
tgttttacgg gactcaatca gacatccgag taaaaagtta 340

<210> 7941

<211> 567

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7941

tctcttcgcg acttntctat actcttcact cngtcataat antatgtact ttttctcnca 60  
gcgagccttg cgaentcgat tgaccccttg atggacnct tgcattaccg gcacctagac 120  
actcaacctg aattggaact atacaaatcg ctggttactg taacgattca attgaatgac 180  
tatgaagtca gtgcgcactc aactagaag tgaggaaaag taatgctgat accaaaaatga 240  
actaanaaaa acaacagcgt caatggcatc aaacaaagca tagtgccaac cacataacct 300  
atagaacatt aagaagcatg agtggttaa tcatgataat accgtacaaa tgaagagact 360  
tcctatttac taatctctag agagccatga gttttctata cagaatccca cactctcacg 420  
ttctggttat aatgacaata aaaataacta acaataatat ggctttgcca ctttaacatt 480  
gcaatcagtc cacatacgaa ccaatgattt attatcattt cgtatttatg ccatcaacac 540  
ggtgatattt actgaaacat tctagcg 567

<210> 7942

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7942

cagagttgng agcagcanag ggatctatta aatataaact aaagataaat aatcaaatag 60

tattgataaa agaaatgtgc ataaatcaag tacaaatcct tcaaaacaaa gtaagaacaa 120  
 atagtgattt tagaagaaaa gagaaaaaga agcaaaacaa aggataagca actaaagtta 180  
 gaagctaaac gtaagaacaa aacccaaaacc ctcgaaattt aaggtgtgtg tgagagaact 240  
 gaaccgaagg aattgtgacc tatgaagaac aaatcatagt gaaaatgcat agaagagtgt 300  
 catttttttt aactaagaaa tatatacttt acggcatg 338

<210> 7943  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7943

ctcatccaaa catggcaagt tcaacatgct ntaacanatt tcttcacaaa taaccatcat 60  
 gaagcagaaa cctagcaaga ctacccatca tatctcccaa aaccaatac ccacgaaaat 120  
 caagtgagaa agaagtccac ccaaacctga aatttcgagg tctcacacgt agagatgcgc 180  
 ttcacgactc tgaaaatgcc ctcttttcac gatttggagc agaaatgatg accaaagggtt 240  
 ggagctctgt tggagcttca atggagaatg aagaagaaag aaaaagcaac gtgagggaga 300  
 gggagagaga gcttctgaaa tgtgggctga gtgaggagag agagagagag ttgcttttta 360  
 gtttaaaaag gttntttcct cttttcttat tattttaatt taagctatgc cacatatctn 420  
 catttgagtg gagg 434

<210> 7944  
 <211> 357  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7944

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 cagtgaacat attataaacc agtagctgag acttcttagg ccctttgttg tgtagatata 120  
 aatctgaaac tagatgatca attataacca agaagttatt tgtggtgagc tatacagtag 180  
 tttcacgctt acttgctaac atggatcca catagtgtac tgttggttcta tgtaaacttt 240  
 ctcgtaggtg gatgtcgggt taagctagag ccgatgctat acattatcac tgcagttctg 300

ttacttcaaa taatagacat atctgngtct atatctattg aaatatggac tgcataat 357

<210> 7945  
 <211> 451  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7945

cgaggctgac gtattccctc anattcgacg tcgatgagct cgcctcagtc tatgacttcc 60  
 gcatcgacaa gtctcaagtt cgttcaccgt atgcttctat ttctcttcgt ttctcgagaaa 120  
 ttcgaaactt gtgtgttgag gtcttgattt gcttctgatg agtttcagcg gcacgccata 180  
 ctggcttttt taagaggctt ctggcggtg gtttccgctc cgacgagcag caagaagacg 240  
 ctgattggcg aggctgcggc cgaatgtgag tacttattga cgactgcttt tcatgcagtg 300  
 atggtaatgt ttcttctaga agcggacttg tgaatgctga tgtgattgtt ctggac g 360  
 ttgattacct tagtgacata tctcgtggac agtctaagag gagattgtac gcattt t 420  
 ttgactctac atgttacgta gcttgct 451

<  
 <211>  
 <212>  
 <213> Glycine max  
 unsure at all n locations  
 <400>

agcttgag agagggt agaaaggtg dactt cgcctcagtc gaccacagag 60  
 tggatatctgg agatatgtcg cgggggtcag gagaacttgg gacatcaag tgggatac 120  
 ttgccccaaa ccaagcttga ccacatccga ccgaacct a 180  
 cctgtgatgt acctaaacag gcgagctcct tgcagtcaac agataaaagg aacaaagacc 240  
 acaaagcaag gaggcttgtg gtggctggcc agttgtgaaa cttgatngat atgtgagata 300  
 tgggctctgg t 311

<210> 7947  
 <211> 125  
 <212> DNA  
 <213> Glycine max



<400> 7947

acatgtcttg tgctgcctgt tgatctgatt aattcttcca catctcagcg attaaccttg 60  
ccatagagcg ctacacttga tcttctatgg ctctaataac ctggttttgc tcttgaacca 120  
tgaat 125

<210> 7948

<211> 333

<212> DNA

<213> Glycine max

<400> 7948

agcttggttcg cacatcggtc gcgtgtatga catccactcc acaagggttg aagttgagga 60  
gacctttaat cctattacac aacgtggccg acaaaagtgg gcagttaact tgaatggtca 120  
ttattgtcaa tgcagaaggt attctgcgct tcaactattca tgttcacata ttattgcagc 180  
ttgtgggttac gtgagcctga actactacca atatatagat gtttggtata caaatgagca 240  
catcgtaaaa gcttactccg cacaatggtg gcctcttggg aatgaagcga ctattcctcc 300  
ttctaataac gcatggacac ttatccctga ccc 333

<210> 7949

<211> 541

<212> DNA

<213> Glycine max

<400> 7949

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ctccgcatgt gctcgagctg atacaatatg tacgttcttg gtacagctaa tcattgacct 120  
attcggttgt tcagtcacac tacatttcta cgagaatacg actcgaggcc tacgtgtgcg 180  
ttgtccaaat gaaaactctg tgcgtgtcca tcgaagcatt ggcattggctg ccgacagcgt 240  
actggacgcg aggatctata ttggtagctg tgctgaaact atgatgataa tagtgctgaa 300  
acgctgtact tgactcgaca tgccacgcac ggcgcgaaatt tccaagctgg tgatagacgt 360  
aactaatgac tcacacgttc tgtgaatctt gaccggaatg tgggcgtacg ctattgttgt 420  
gtttgctcta gcaacgtgcg actctgagtc gctactcgca agaccggcac atatgagaat 480  
actcatgttg caaggcgcgg gcggcgccgt agaacatcga cgccgagttc atactaatac 540

<210> 7950  
 <211> 391  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7950

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 tttcttttat aataaactca cccctcacaa tttttgtacc gtgtgggttg tacctgtgat 120  
 gatcgcgatc ttttgtggga gcagaatgac aacagtagtg gacgagaagt aagattcttt 180  
 tgtggagtcg tcgagccgac atgatgacat tgggattant ttgggagaaa gttgtgtttt 240  
 gtaatcaact cctncatagc tgggtctgta attctttttg gtgattngaa gatgtaaatc 300  
 acaaaattag gtatatgtat gaacanatta ttntccatta tngtgaatat gtgtactang 360  
 gtactatacc tatatatata tatatatgga t 391

<210> 7951  
 <211> 481  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7951

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 cattgatttc aatgttggaa agtctgatcg caacaggata aaagtcactg gaaagcagaa 120  
 gaaagtacgt atttttctca agtttgaatt ttcacgctct tcttctctct gtttctagat 180  
 atgtatgaag aattagtaaa gctgattcct atcgtttttt ggtgcacaac tgacaaatac 240  
 tttcatatta gtgatattac ttttaagact agaagtctag aatgaatggc tntgtcgttg 300  
 ttaatgatat cctttcatta tttctccaag tgaattgagt tgcaaatttt agcaattaat 360  
 aattaaactt gtaagcatta ggcacttate cagctcacgg ttgtgatatt ggtgcataca 420  
 tcggcagcca tttccttggg ttagagtctc ctattttgnt ctctggagct gtggttacgt 480  
 c 481

<210> 7952

<211> 503  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7952

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agaacaccac tccggttctg gaacttgagt tcgngccctt agatcatttg acctgcagct 60
cggcagatca gatcgcgag gctctcatga acatgcaggt tggttggaac aagatagatg 120
gatgccccac attattattc atgacacaca tgcttaaattg atgagttgga aactatatgc 180
ataactggtc atgcgtgcac ctaagtcgac actcaagtgt cacaatttta tggtcatgtg 240
atgctatggc tcaagattca attcctctat attagacgac ccagcgataa cacaatatgt 300
tctgttatca attttgcatt catccgagtc catgttgtgc gtctgagaaa atcttcacag 360
cattcacctc tcaggtgtat acacagtttt gtcaaaacta attattatca gtgaaatttt 420
ttcaaagaaa gatgaagtca tctctttcaa agcatgttgc tattaacttg acaacttaat 480
tacttattct tcttttttta tta 503
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<210> 7953  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7953

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ggcatgcctg ttaaactggt tccaacttct ttctatcttc agtgtatntg gtcactcactt 60
tctcaaagag taggttgac ttatgcacca ttccataaca atttgttagg tgtagctcgc 120
tgattttctt ctaatgaata aatgcagcaa actctttgcg gaagttctac aaaatgtgaa 180
aatagataaa acaaaaagac atttagatgg ttgttgtcaa agtaagtaca atatattcaa 240
ttgcatgatt tgcaacatca gaatgaacaa ataaataaca ttattaaagt taaggatgtg 300
ggcttacaat tttgctacag gtagctgtat ccttagtcaa agcttctcta aattntgtca 360
tctaaggagc aaataattnt atgaactaag ctaatgtcaa attgtactga accaccttat 420
tacaataagt aacgtatact tac 443
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<210> 7954  
 <211> 225  
 <212> DNA

<213> Glycine max

<400> 7954

cgggaagca atactggctt ttctaagagg cttctccgtg gtggcttccg ctccgacgag 60  
caccacgaac accctcattg tggacgctgc tgcaaaatgt gattacttat tgaccaccgc 120  
ttttcatgca ctgttggtaa tgtctctctt agaagtggac ttgtcaatgt tgatgtgatt 180  
gttctgacca ccttgattac cttagcgaca tatcctcggg tacac 225

<210> 7955

<211> 275

<212> DNA

<213> Glycine max

<400> 7955

taagcaagcg agcttctggc agtctacaga ttaaacaatc aaaaccacaa agcatggagg 60  
cttgtgtggt ggctggccaa ctgtgaactt tgattgatat gtgggttatg gcctttggtc 120  
ctcgattacc aagagtgggt acatgattac aaggcttaaa aatgaacaca ggaggctcag 180  
ctggctctctg gtaatcgatt accaaagggg gtaatcgatt accatgcttg ataacgaggt 240  
caagaagcta tgagagcttc tggtaatcga gtacc 275

<210> 7956

<211> 470

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7956

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ggtacaaggt ttatagtgtg acagcaggaa catctcacac ttgtagcacc acgtgtgtac 120  
attagcaatg tcgtacagcc tccacaataa agttgtgaca tgtccattcc tgcacgggca 180  
acatgaaatt aaagggttcc ccagatgtaa ccatttagtt aaagtccaat acatgttaat 240  
gaatacttaa tcaagctgaa tgcatagttt cttatcagat tatctctgtc tccagctctc 300  
tccacacaca cacacacaga gtatctttta aaataatatg ccaatgtag ctacacacac 360  
aatttcttga ttctttttat ctttaataaaa gcatatagct aacattttcta ttgatctttc 420  
atcatcattg atcttcaatc tcttgaagaa tctattanac aagcataatc 470

<210> 7957  
 <211> 206  
 <212> DNA  
 <213> Glycine max

<400> 7957

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 catagcagca ggagaaggac caccagcagc cagccacaga tacgccggcg ccacctctat 120  
 ggtagccacc atctctggag tccatttctg ctcaactgag aaagatggag cttcaaattg 180  
 atgcatatat gcagcatgtg accgat 206

<210> 7958  
 <211> 419  
 <212> DNA  
 <213> Glycine max

<400> 7958

tctacttatg tggcagggcg ggcttccttc accttcttgt ctctaacgag aactttgacc 60  
 attgttcttc cttcccgcaa tgcttctctt catgtctgcc tgagtgggct tatagcctaa 120  
 accatacttc ccacgatttc cttgagtatt tatcaggcta gttatgccgc cgttggtttt 180  
 tcctaaaccc atcccggtt caaaacggtt cccaacata actcgggcca tcattaccgc 240  
 tgcacgggac agacaagggt gcccaagag ggagtccacg gaggaatgc tgaccacctc 300  
 acaagactgg aaagcagttt ctaacgattc ttctgcggct tccacataag gcatggagga 360  
 tgggcagctt accaagaata tcttctcgcc tgacacgatg accaagtgcc cctccacta 419

<210> 7959  
 <211> 363  
 <212> DNA  
 <213> Glycine max

<400> 7959

tcactgtttt gactaataag ttaattaaaa tgggaagaaa catgtgcaag ggattcta 60  
 tggtgtccta attgaacatg tgtagtaga aaaacgtatc gttacgtaaa tcgtgaggtt 120  
 ctgaaacgta tcgtgcctta cagaagaaaa caagtatcgt tcataattca gaggttttta 180  
 acttacggaa gagaaactac aaaaacgggc aactgggtgt ttataaaaat ggtggtacaa 240



<212> DNA  
<213> Glycine max

<400> 7962

ttgctttacc ttctcttcca ttggtgattc ttcatttttt ctccatggat ctcttcacat 60  
gtcttgtgat aaatgttttt aacatgattc tttaaagttt ccaccgaatt aacttgctat 120  
agaagctaga cttgattttc tatgggtcaa aattcttggt cttgttcttg aaccatgaat 180  
tgtgttgagt ttacggtcct ttg 203

<210> 7963

<211> 342

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7963

atttgcgga tgcaagctcg cagctcagca attgtccatg ggtgagacct tacaaacagt 60  
cacgtttcag ctgaatgaaa tcttcacgtt cttcccctac gagtccaaca caggctccctg 120  
cccactacct ttgttcacat tcttccctgc acaccatcac cgaataaaaat tgatgttctc 180  
gattgatggg agtgaccctt ctgggtggat cttcaagatc acccagtact tcgagtacca 240  
ttcaacccca gaggcagaga gacttaccat tactgcattc tacatggatg gctgtgcgtn 300  
ggcttgggtc caatggatga acaacaatgg ccaattcacg tc 342

<210> 7964

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7964

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ttgctgatgg cttcttcccg ttccaagctt caattggagt cttgtctttt acagacttag 120  
ttggacatct gttgagtatg taaacagcag tgtagactgc ttcagcccag aatttgtag 180  
gtagtcctct ctcttgagc atcgatctag ctatttccat aactgtgcga ttctttctct 240  
cggacactct attntgttga ggagaatatg agactgtaag ttgtcgtca atgccttcat 300  
cctcacaaaa tcttttaaac tcgcgagagg tgtactttnt gccgcgatca cttcttagta 360

cttttatccg ttttccactt tgattntcag caagggcctt gaactntntg aatactccac 420  
agacttctga ttttatttaa aanatatacc atgtcatcta gagaagcatc at 472

<210> 7965  
<211> 400  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7965

gagtcacctg ccgcatgcaa gcttgttga cctcagagtt gtgtcaaagg gcatgagtca 60  
tcatcaaadc atacaacaag ctctacaatt gtagcaggag ggattcgaag ctaggtgtag 120  
ctcgaagagg aaaaggaaga aagctgcca ggccaaggat ggtggcaagg gtagcagagg 180  
tagatgattt cattattatt atttttttatc accaacattg taatgggtga aaacgttacc 240  
gtaacganna atctttattt catttgtgtt aaggggagtt tccaaaaaat attaaaactg 300  
gggaggaaaa aaatatacat tgtatatgtt tataacggaa tcacgattct atcgtaataa 360  
gggggggggg gtgcanaaac agtataataa tgaaattatg 400

<210> 7966  
<211> 414  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7966

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acttctttga gaagcttgat gcaatccttc ctacgaagg accaatcact agaaccagga 120  
gcaagaggct ccaagaagat tgggctagag ctgctgaaga aggccctagg gttctcatga 180  
aattcagggt agatttctga gcccattgag caaggttgag tccaattatc tntgtacata 240  
ttagactacg atgtcattat atttggctct tatatttagg gttcatatt gtaggtaggg 300  
taccctagaa atataggatt ttttcagccc ttgtatttta nggcacctag actagtntt 360  
gtattaaggg tagtcttgta atttcacatg cactaagtgg atatttgatg tgtg 414

<210> 7967  
<211> 290